MINI HiFi COMPONENT SYSTEM

RXD-303/303E/353/353E/503/503E/553/553E/553-GR/553E-GR/653/653E/A33/A53/A53-GR

SERVICE MANUAL

(XD-303~A73)**

KENWOOD

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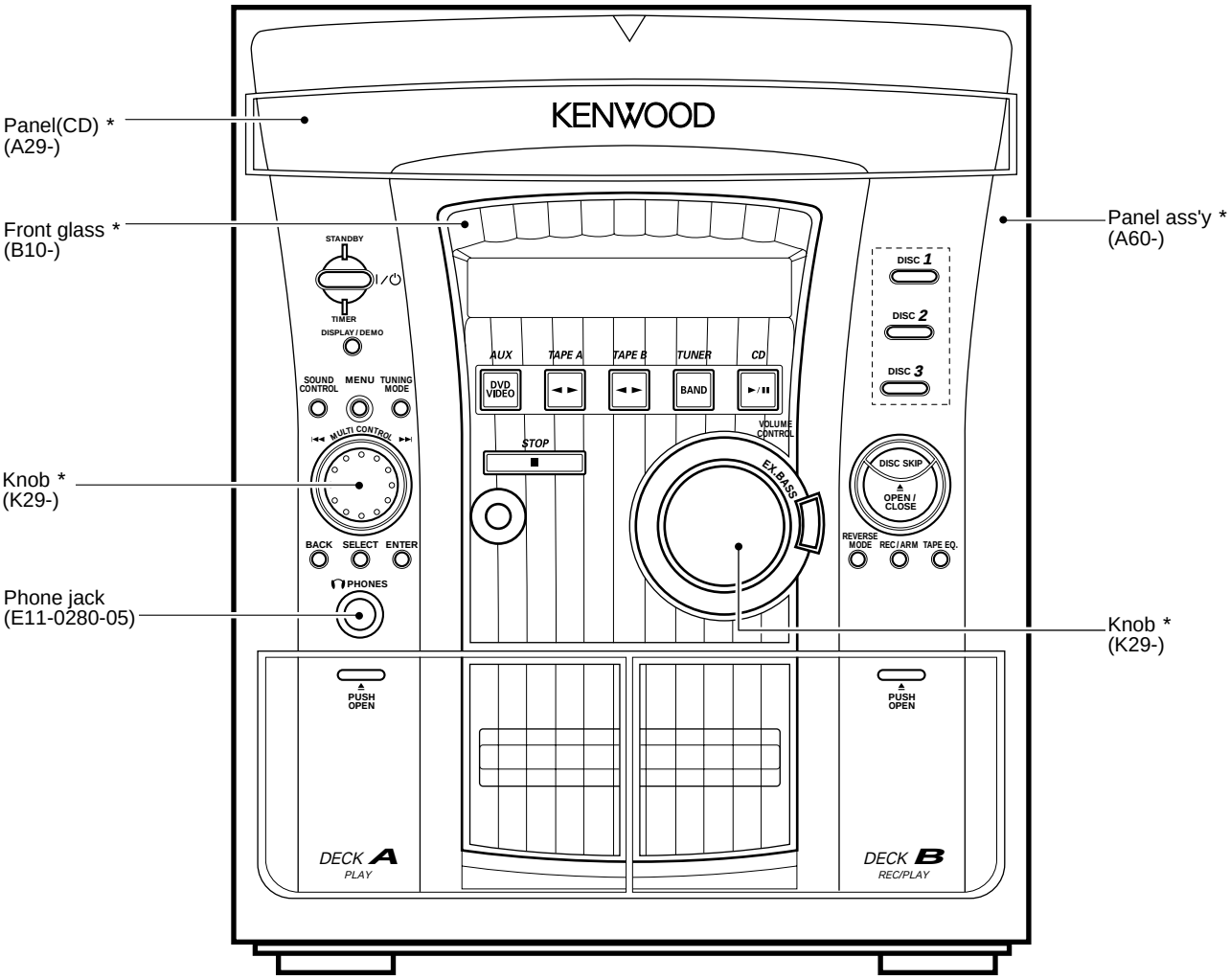


**Refer to page 2 if you want to know system configuration.

* **Refer to parts list on page 33.**

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Crop. certifies this equipment conforms to DHHS Regulations No. 21 DFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM

70%

CONTENTS / ACCESSORIES / CAUTIONS

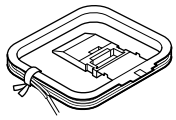
Contents

CONTENTS / ACCESSORIES / CAUTIONS 2
EXTERNAL VIEW 3
DISASSEMBLY FOR REPAIR 3
BLOCK DIAGRAM 4
CIRCUIT DESCRIPTION 5
ADJUSTMENT 10
WIRING DIAGRAM 12
PARTS DESCRIPTIONS 13
PC BOARD 14
SCHEMATIC DIAGRAM 19
EXPLODED VIEW 31
PARTS LIST 33
SPECIFICATIONS 43

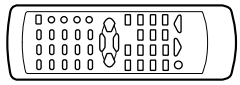
Accessories

FM indoor antenna (1)
(T90-0836-05)

AM loop antenna (1)
(T90-0852-05)

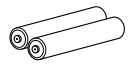


Remote control unit (1)
(A70-1337-05): RC-553....KPMXYK1P1M5
(A70-1338-05): RC-553E....TEE1T1

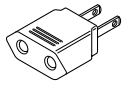


Battery cover (A09-1151-08)

Batteries (R6/AA) (2)

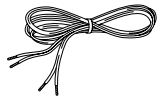


AC plug adaptor (1)
(E03-0115-05)



Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.)

Speaker cords (2)
(XD-653 only)
Refer to system configuration.



Provided in the speaker package

SYSTEM CONFIGURATION

SYSTEM	MAIN UNIT	DESTINATION	SPEAKER	SP CORD PSRTS No
XD-303	RXD-303	KE	LS-N303	E30-5829-08
XD-303E	RXD-303E	E1	LS-N303	E30-5829-08
XD-353	RXD-353	YMXTEH	LS-N353	E30-5829-08
XD-353E	RXD-353E	E1	LS-N353	E30-5829-08
XD-353(M3)	RXD-353	M	LS-N353(M3)	E30-5829-08
XD-353(M5)	RXD-353(M5)	M5	LS-N353(M3)	E30-5829-08
XD-503	RXD-503	KPE	LS-N503	E30-5829-08
XD-503E	RXD-503E	E1	LS-N503	E30-5829-08
XD-553	RXD-553	YMXTE	LS-N553	E30-5829-08
XD-553E	RXD-553E	E1	LS-N553	E30-5829-08
XD-553(M3)	RXD-553	M	LS-N553(M3)	E30-5829-08
XD-553(M5)	RXD-553(M5)	M5	LS-N553(M3)	E30-5829-08
XD-553-GR	RXD-553-GR	ET1	LS-N553-GR	E30-5829-08
XD-553E-GR	RXD-553E-GR	E1	LS-N553-GR	E30-5829-08
XD-653	RXD-653	TEX	LS-N653	E30-5475-05
XD-653 E	RXD-653 E	E1	LS-N653	E30-5475-05
XD-753	RXD-553	MX	LS-N753	E30-5838-08
XD-753(M3)	RXD-553	M	LS-N753(M3)	E30-5838-08
XD-753(M5)	RXD-553(M5)	M5	LS-N753(M3)	E30-5838-08
XD-A33	RXD-A33	KP	LS-N353	E30-5829-08
XD-A53	RXD-A53	KP	LS-N553	E30-5829-08
XD-A73	RXD-A53	KP	LS-N753	E30-5838-08

Cautions

Operation to reset

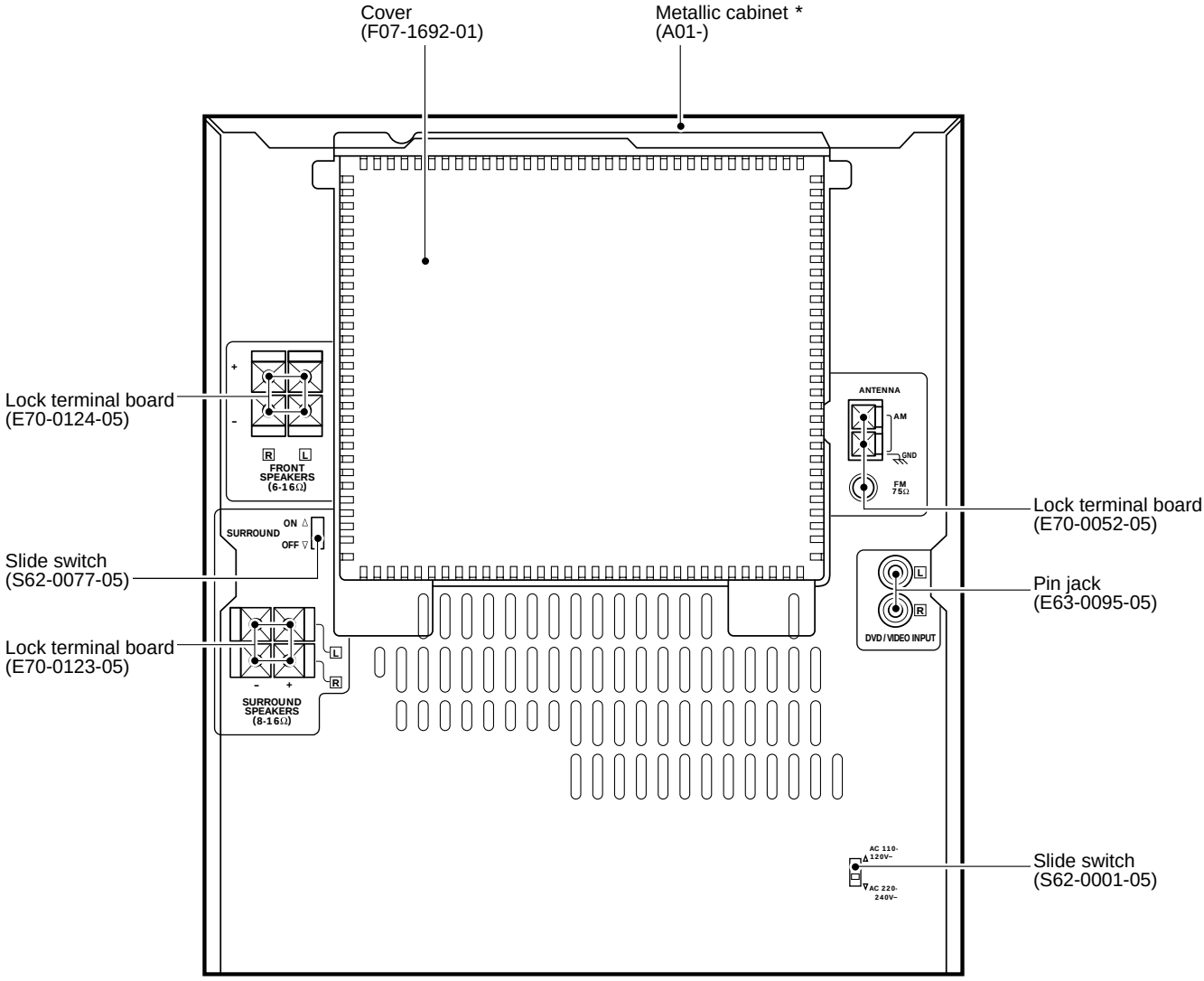
The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

Unplug the power cord from the power outlet then, while holding the ENTER key depressed, plug the power cord again.

(Main unit only)

- Please note that resetting the microcomputer clears the stored contents and returns to the factory set condition.

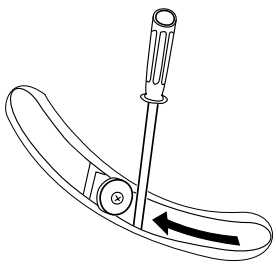
EXTERNAL VIEW



DISASSEMBLY FOR REPAIR

HOW to open the tray if not comes out.

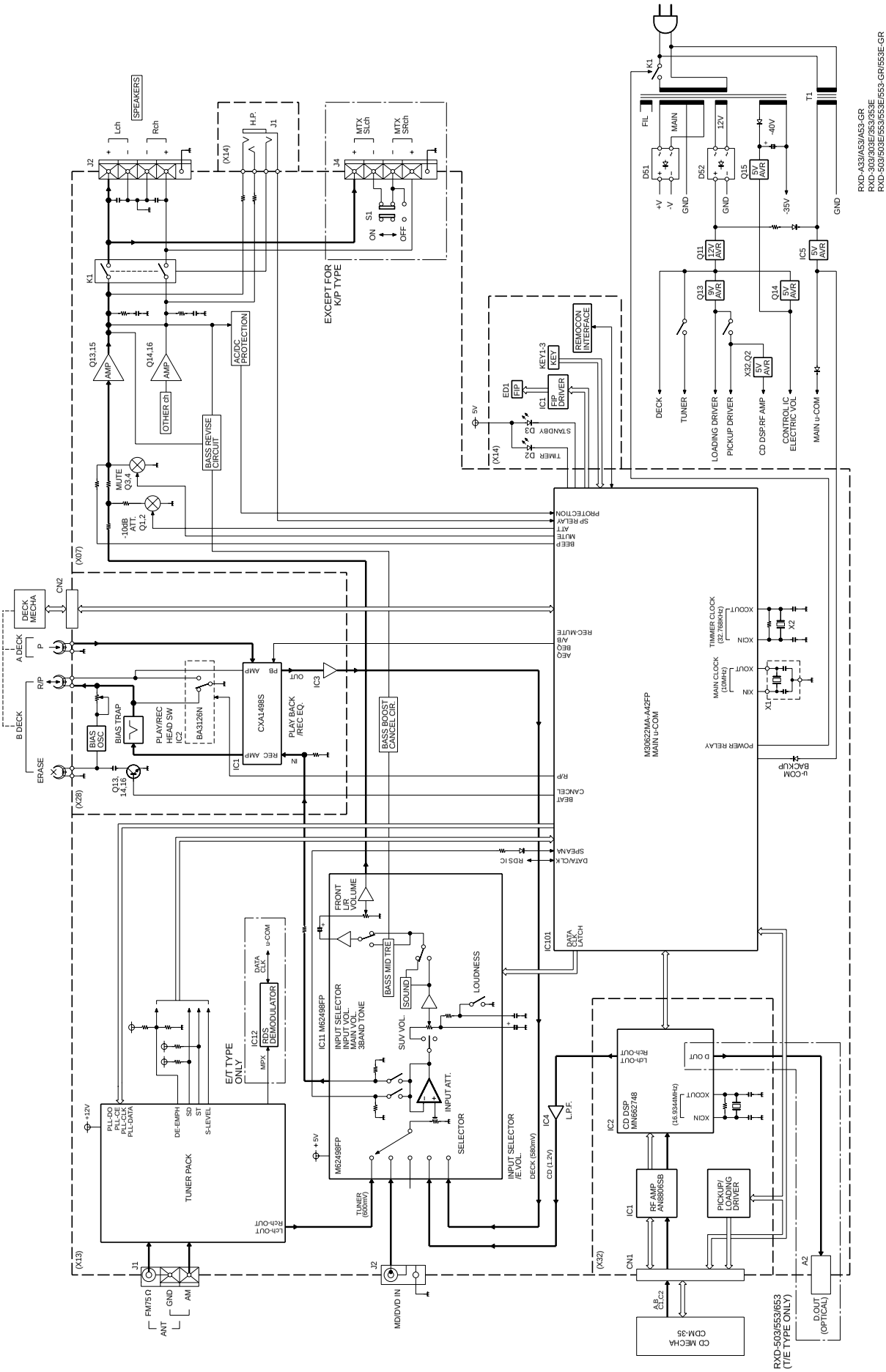
BOTTOM SIDE



(1) Turn the friction arm counterclockwise using a screw driver and the like.

(2) Pull out the tray frontwards by hand when the tray comes just out.

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1. Initialization

1-1 Setting of the Initial Conditions

While pressing the [ENTER] key, plug the AC cord into AC wall outlet.

1-2 Initializing Operation

- A Microcomputer is initialized for start when the AC power is turned on when pressing the [ENTER] key.
  At that time, CD and cassette mechanisms are also initialized.
- During the initial conditions, the display shows *INITIALIZE* and after that it will be returned to standby condition.

1-3 Initial Items

(1) AMPLIFIER
- POWER ON/STANDBY — STANDBY
- VOLUME — 14
- BALANCE — CENTER
- INPUT SELECTOR — TUNER
- SOURCE DIRECT — OFF
- MUTE — OFF
- AUTO POWER SAVE — OFF
- AUX(DVD/VIDEO) INPUT LEVEL — -3
- DISPLAY MODE — AUTO
- BEEP SOUND — ON

(2) TUNER
- BAND — FM
- FREQUENCY — LOWEST FREQUENCY
- AUTO/MONO — AUTO
- PRESET CHANNEL — "– –"ch

(3) CASSETTE DECK
- REVERSE MODE — REVERSE
- TAPE A/B — B
- TAPE DIRECTION — FORWARD

(4) AUX (DEV/VIDEO)
- DVD/VIDEO DISPLAY — DVD

(5) CLOCK
- CLOCK — 0:00(E,E2,T)/12:00am(OTHER)
- Program Timer Recoding
  - ON TIME 0:00(E,E2,T)/12:00(OTHER)
  - OFF TIME 0:00(E,E2,T)/12:00(OTHER)
- Program Timer Play
  - ON TIME 0:00(E,E2,T)/12:00(OTHER)
  - OFF TIME 0:00(E,E2,T)/12:00(OTHER)
- Program on Mode — OFF
- SLEEP TIMER — OFF

(6) Equalizer
- Equalizer — OFF
- CUSTOM EQ.1~3 — FLAT
- EX. BASS — ON
- 3D LEVEL — OFF

1-4 Mechanism Initialization

1-4-1 CD Mechanism

- If a mechanism error occurs *C ERR* is indicated on the display.

1-4-2 DECK mechanism

- When the initial condition becomes NG for the third time,decide the error.
  The error condition is displayed as X ERR on the display.

1-4-3 Error display

- If both mechanism (CD/DECK) error occur, the display is indicated as follows.
- CD & X ERR

2. Destination List of Tuner

Set	Type	BAND	Receving Frequency Range	Channel Space	I F	RF
K, P	K1	FM	87.5MHz ~ 108.0MHz	100kHz	+10.7MHz	25kHz
		AM	530kHz ~ 1700kHz	10kHz	+450kHz	10kHz
M,Y(1)	K2	FM	87.5MHz ~ 108.0MHz	100kHz	+10.7MHz	25kHz
		AM	530kHz ~ 1610kHz	10kHz	+450kHz	10kHz
M,Y(2), X	E1	FM	87.5MHz ~ 108.0MHz	50kHz	+10.7MHz	25kHz
		AM	531kHz ~ 1602kHz	9kHz	+450kHz	9kHz
E,E2	E3 RDS	FM	87.5MHz ~ 108.0MHz	50kHz	+10.7MHz	25kHz
		AM	531kHz ~ 1602kHz	9kHz	+450kHz	9kHz
T	E4 RDS	FM	87.5MHz ~ 108.0MHz	50kHz	+10.7MHz	25kHz
		MW	531kHz ~ 1602kHz	9kHz	+450kHz	9kHz
		LW	153kHz ~ 279kHz	9kHz	+450kHz	9kHz

CIRCUIT DESCRIPTION

3. Test Mode

3-1 Setting of the Test Mode

AUX MODE	AUX(DVD VIDEO) key+AC-ON
TUNER MODE	TUNER(BAND) key+AC-ON
TAPE MODE	TAPE A(< >) key+AC-ON
CD MODE	DISC3 key+AC-ON
SUB CLOCK OSC DIAGNOSIS	MENU key+AC-ON The oscillation diagnosis(existence of oscillation and measurement of period) of a sub clock is performed before the test mode is entered. If the diagnosis result is OK, the system enters the test mode. If the diagnosis result is NG, the oscillation of the sub clock is diagnosed again. If the result is OK, the system enters the test mode. If the diagnosis result is continuously NG 5 times, the system stops with "ERR1" and "ERR2" displayed.

3-2 Cancel of the test mode

By turning the power off, the system is initialized and the test mode is canceled.

3-3 Contents of the Test Mode

3-3-1 Tuner Test mode

KEY	DISPLAY	OPERATION
SELECT	Normal indication	→10 → 20 → 30 → 00 (- -)→
MENU	Normal indication	AUTO • STEREO ↑ MANUAL • MONO ↓
BACK **SOUND CONTROL**	Normal indication	TUNING DOWN TUNING UP
TUNING MODE **ENTER**	Normal indication	P. ch DOWN P. ch UP
DISPLAY/DEMO		FL indication ON ←→ FL indication OFF
CD OPEN/CLOSE	50Hz ↓ ↑ 100Hz	50HZ/50µ ←→ 100Hz/75µ

3-3-2 Aux Test Mode

KEY	DISPLAY	OPERATION
DISC 1	Tone」MAX」」」 Tone」MIN」」」 Tone」CENTE	→ MAX → MAIN → CENTER →
DISC 2	Normal indication	AUX LEVEL MAX ←→ AUX LEVEL MIN
DISC 3	Normal indication	→ Lch MAX → Rch MAX → CENTER →
EX.BASS	Normal indication	EX. BASE ON ←→ EX. BASE OFF

3-3-3 Deck Test Mode

KEY	DISPLAY	OPERATION
REC/ARM	Normal display	If the REC/ARM key is pressed, the system record for 4 seconds. Then, it rewinds to the REC starting position and plays back automatically. If the REC/ARM key is pressed, during the 4 seconds REC operation, the system records further for 4 seconds, then returns to the starting position of the first 4 seconds REC operation and plays back.

* Mechanism SW Detection

HALF SW	DISPLAY	HALF SW	DISPLAY
A PACK SW	"T" (The first dot)	A CrO2 SW	"A" (The second dot)
B PACK SW	"P" (The third dot)	B RVS REC SW	"E" (The forth dot)
B FWD SW	"T" (The sixth dot)	B CrO2 SW	"E" (The seventh dot)
A PLAY SW	"Moon" (Segment)	B PLAY SW	Sun(Segment)

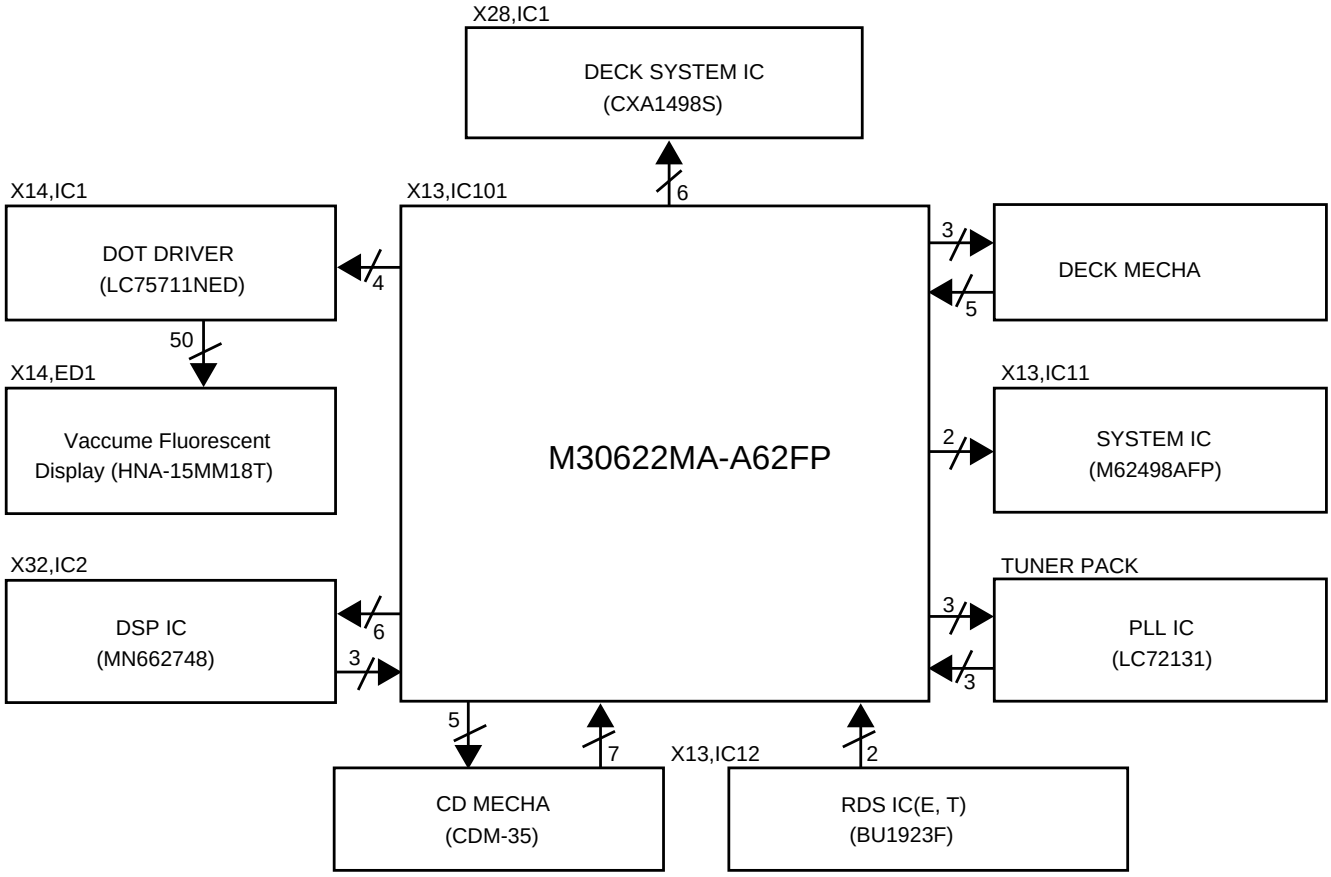
CIRCUIT DESCRIPTION

3-3-4 Test Mode

KEY	DISPLAY	OPERATION
CD-PLAY/PAUSE (Change the mode alternately by the stop key.)	05 ＊＊:＊＊ (＊＊ : ＊＊)	Tracking-servo on.
	05 and 03 ——:——	Tracking-servo off.
DISC 1 (Cyclically changed in the stop mode only.)	01 ——:——	STOP
	 07 ＊＊／＊＊ 08 ＊＊／＊＊ 09 ＊＊／＊＊	Adjustment value/mean value TB value FB value TG value FG value TO value FO value
STOP	01 ——:——	Stop (Press it 1time.) Cancel the test mode. (Press it 2 times.)
TAPE EQ	Ex. 01~02	CD track no. up.
TAPE EQ (Press it more than 400msec.)	CD FF search.	The pickup travels outward.
REVERSE MODE	Ex. 02~01	CD track no. down.
REVERSE MODE (Press it more t han 400msec.)	—	CD FB search. The pickup travels inward.

4. Microprocessor : M30622MA-A62FP

4-1 Microprocessor Periphery Block Diagram



CIRCUIT DESCRIPTION

4-2 Key Matrix

Input Voltage (V)	KEY3 Pin94	KEY2 Pin95	KEY1 Pin97
0.00～0.23	REV. MODE	POWER	
0.26～0.75	REC	EX. BASS	DISPLAY/DEMO
0.79～1.29	TAPE EQ.	CD PLAY/ PAUSE	TUNING MODE
1.33～1.84	OPEN/CLOSE	BAND	MENU
1.88～2.38	DISC SKIP	TAPE B	SOUND
2.42～2.93	DISC 3	TAPE A	SELECT
2.96～3.45	DISC 2	AUX	BACK
3.49～3.98	DISC 1	STOP	ENTER
4.01～4.52	–	–	–
4.54～4.80	KEY OFF	KEY OFF	KEY OFF

* The input voltage value : for 4.8[V] in a standard voltage

4-3 Pin Description of Microprocessor

Pin No.	Pin Name	I/O	Description	ACTIVE	
				H	L
1	SLEVEL	I	RSD signal level input.		
2	CE2	I	Backup detection input 2.	AC ON	AC OFF
3	SD	I	SD detection input.		
4	ST	I	Stereo detection input.		
5	PLL CE	O	PLL IC chip enable.		
6	RDS DATA	I	RDS data input.		
7	PLL CLK	O	PLL IC clock output.		
8	BYTE	-	GND.		
9	CNVSS	-	GND.		
10	XCIN	I	Timer clock input(32.768kHz).		
11	XCOUT	O	Timer clock output(32.768kHz).		
12	RST	I	Reset signal input.	NORMAL	RESET
13	X OUT	O	Main clock output(10MHz).		
14	VSS	-	GND.		
15	X IN	I	Main clock input(10MHz).		
16	VCC(BU)	-	u-com power supply(+5.0V).		
17	NMI	-	Connected to VCC.		
18	REM	I	Signal input of remote control.		
19	RDS CLK	I	RDS clock input.		
20	BLKCK	I	Sub code synchronous signal input. L→H Interrupt		
21	CE2	I	Back up detection input.	AC ON	AC OFF
22	BEEP SOUND	O	Beep sound output.		
23	PLL DO	I	PLL IC data input.		
24	B EQ	O	Equalizer control of B deck play back.		
25	REC MUTE	O	Deck recording mute control.		MUTE ON
26	R/P	O	Deck recording/playback changeover control.	RECORDING	PLAY
27	NOR	O	B deck Normal/CrO2 changeover control.	NORMAL	CrO2
28	MCLK	O	CD DSP command clock signal output.		
29	STAT	I	CD DSP status signal input.		
30	MDATA	O	CD DSP command data output.		
31	FL DATA	O	Data output to VFD dot driver.		
32	A CrO2	I	A deck CrO2 detection switch input.	NORMAL	CrO2
33	FL CLK	O	Clock output to VFD dot driver.		
34	FL CE	O	Chip enable output toVFD dot driver.		
35	FL RST	O	Reset signal output to VFD dot driver.		
36	F REC	I	B deck forward recording prohibition detection switch.		
37	B CrO2	I	B deck CrO2 detection switch input.	CrO2	Normal
38	A PACK	I	A deck cassette tape detection switch input.		
39	A PLAY	I	A deck head position detection switch input.		
40	B PACK	I	B deck cassette tape detection switch input.		

CIRCUIT DESCRIPTION

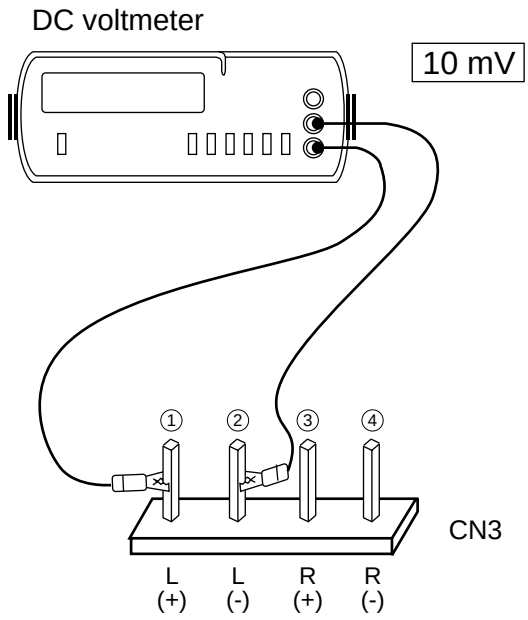
Pin No.	Pin Name	I/O	Description	ACTIVE	
				H	L
41	R REC	I	B deck reverse recording prohibition detection switch.		
42	B PLAY	I	B deck head position detection switch input.		
43	BIAS	O	Deck bias on/off changeover control.	ON	OFF
44	BEAT.C	O	Deck beat cancel on/off changeover control.	ON	OFF
45	B SOL	O	B deck solenoid control.		
46	CPM	O	Deck capstan motor control.		
47	A SOL	O	A deck solenoid control.		
48	TAPE MUTE	O	Deck line mute control.	MUTE ON	
49	A/B	O	Deck A/B changeover control.	B	A
50	A EQ	O	A deck play back equalizer control.		
51	MCONT A	I	Multi control jog input 1.		
52	MCONT B	I	Multi control jog input 2.		
53	VOL B	I	Volume encoder input 2.		
54	VOL A	I	Volume encoder input 1.		
55	LED STBY	O	Control port of standby LED.	OFF	ON
56	LED TIMER	O	Control port of timer LED.	OFF	ON
57	NC	-	Unused.		
58	OPEN SW	I	CD open detection switch input.		
59	CLOSE SW	I	CD close detection switch input.		
60	TD SW	I	Traverse down switch input port of CD mechanism.		
61	TU SW	I	Traverse up switch input port of CD mechanism.		
62	VCC(BU)	-	u-com power supply(+5.0V).		
63	OPEN	O	CD motor control output.		
64	VSS	-	GND.		
65	CLOSE	O	CD motor control output.		
66	BRKM	O	CD motor control output.		
67	RTL	O	Rotary motor opposite direction(CCW) output.		
68	RTR	O	Rotary motor positive direction(CW) output.		
69	DC OFF	O	Power control of CD DSP IC.	ON	OFF
70	CD PROT	I	CD protection input(Only at selector CD).	NORMAL	PRO. ON
71	SLT SW	I	CD start limit switch input.		
72	MLD	O	CD DSP command load signal output.		
73	SQCK	O	CD sub code clock output.		
74	SUBQ	I	CD sub code input.		
75	D MUTE	O	CD DSP muting output.		
76	XRST	O	CD DSP IC reset control.		RESET
77	PHTR	I	CD mecha. Stop switch input.		
78	PS SW	I	Tray position & disc detector switch input port of CD mechanism.		
79	TU ON/OFF	O	Tuner power on/off output.		
80	A-MUTE	O	Control port of audio muting.		
81	ATT	O	-10dB attenuation output.	ON	OFF
82	POWER	O	Power relay control.		
83	SP RELAY	O	Control port of speaker relay.		
84	EV CLK	O	Clock output to E..volume.		
85	EV DATA	O	Data output to E..volume.		
86	EMPHASIS	O	Tuner emphasis output.		
87	EPROM DATA	O	Expander ROM data output.		
88	EPROM CLK	O	Expander ROM clock output.		
89	PROTECT	I	Detection port of protection.		
90	SPEANA	I	Input port of music signal.		
91	TYPE	I	Discrimination of tuner destination.		
92	BPH	I	B deck reel sensor input.		
93	APH	I	A deck reel sensor input.		
94,95	KEY3,KEY2	I	A/D key input(key3,key2).		
96	AVSS	-	GND.		
97	KEY1	I	A/D key input(key1).		
98	VREF	-	A/D reference voltage input.		
99	AVCC(BU)	-	u-com power supply(+5.0V).		
100	PLL DATA	O	PLL IC data output.		

ADJUSTMENT

Amp adjustment RXD-A53(K/P), RXD-503/553(K/P) only

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, the individual switches should be set as following : POWER : ON SELECTOR : CD							
1	IDLE CURRENT	–	Connect a DC voltmeter to CN3 (① ②), Lch CN4 (③ ④), Rch X07, A/2.	VOLUME : 0	VR1 (L) VR2 (R) X07, A/2	10 mV	(a)

(a)



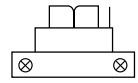
CD player adjustment

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	PLAYER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1. While pressing the "DISC 3" key, turn the power on to enter the test mode. 2. Load a disc on disc 1 tray.							
1	LASER CURRENT CHECK	Test disc Type 4	Connect the DC voltmeter to CN6(pin1 and 2) on X32.	Press the PLAY/PAUSE key, then confirm that the display is 03 or 05.	–	0.5±0.2V	

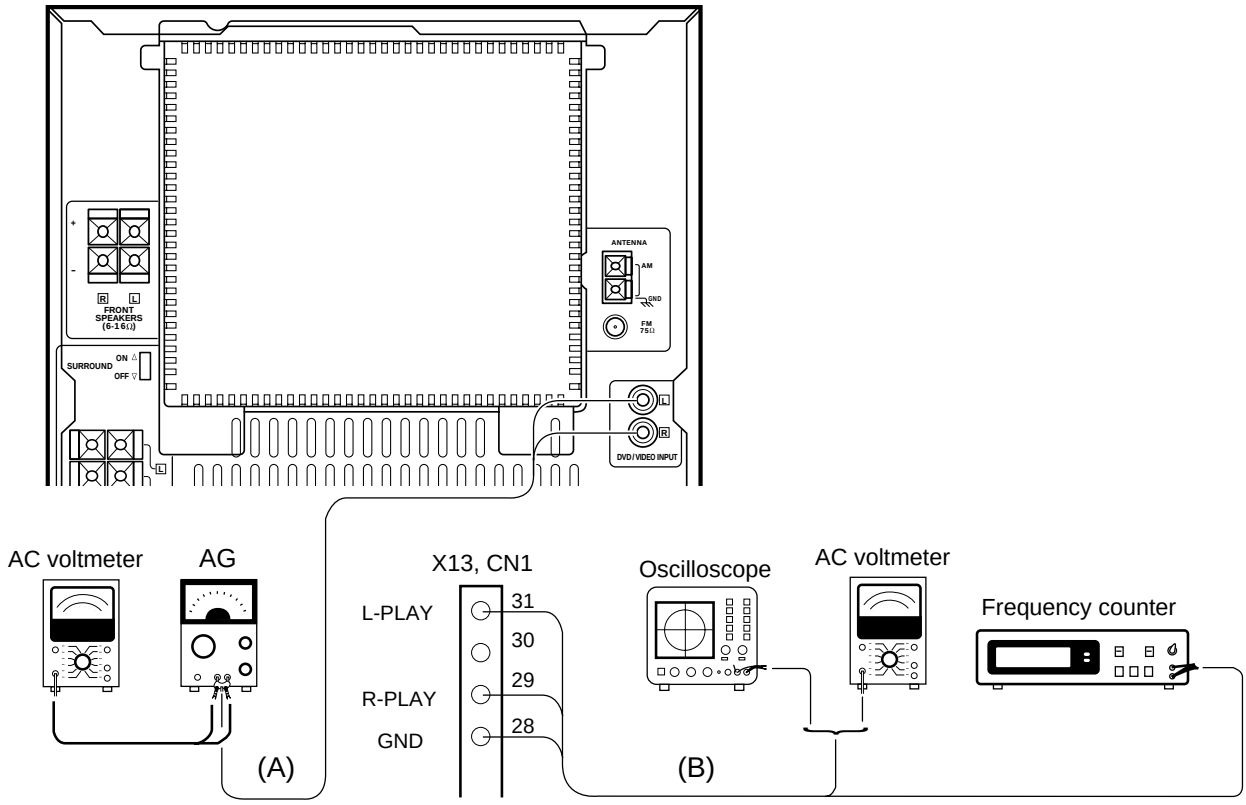
Note:
Type 4 disc : SONY YEDS-18 Test Disc or equivalent.
LPF: Around 47 kΩ+ 390 pF or so.
Step 1~4 are in Test Mode.

ADJUSTMENT

Cassette Deck adjustment

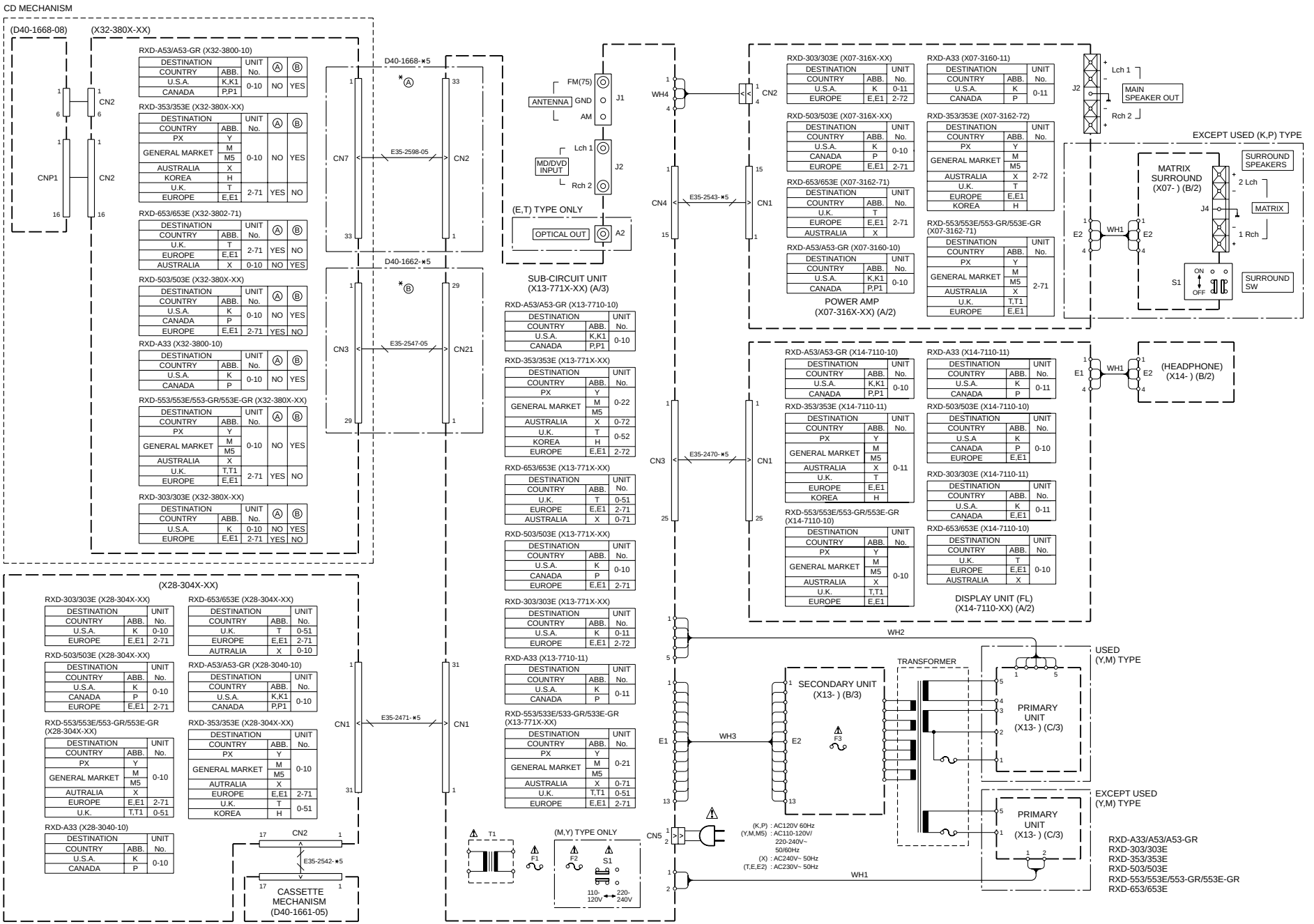
NO.	ITEM	INPUT SETTING	OUTPUT SETTING	CASSETTE TAPE DECK SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
I Cassette mechanism unit (Adjustment of the REC / PLAY head)						**0dBs = 0.775V**	
(1)	Demagnetization and cleaning			Power : OFF Demagnetization, cleaning, PLAY	Recording head, erase head, capstan pinch roller	Demagnetize the REC / PLAY head with the head eraser. Clean the REC / PLAY head, erase head, capstan and pinch roller using a cotton swab slightly damped with alcohol.	
(2)	Azimuth of the REC / PLAY head	SCC-1727 TCC-153 MTT-114 10kHz, -10dB	(B)	PLAY	 RVS FWD	Adjust the output to maximum and adjust the azimuth adjustment screw for the Lissajours waveform pattern of the oscilloscope to become close to a 45ß straight line.	
II PC BOARD ADJUSTMENT							
(1)	TAPE SPEED (NORMAL)	TCC-110 MTT-111 SCC-1727 3kHZ	(B)	PLAY	VR5	Adjust the tape speed so that 3kHz is obtained at the center of the tape.	
III PC board adjustment.							
(1)	PLAYBACK LEVEL	MTT-150 400Hz	(B)	PLAY	VR 3 (L) VR 4 (R)	Adjust the playback output to —2.5dBs.	
		MTT-256, SCC-1727 315Hz				Adjust the playback output to —5.5dBs.	
		MTT-256U, TCC-120 315 Hz				Adjust the playback output to —1.5dBs.	
(2)	BIAS CURRENT	(A) Adjust the AG for the output of the DECK to become 12.5KHz —20dBs. 400Hz/12.5kHz (AC-224)	(B)	REC PLAY	VR 1 (L) VR 2 (R)	Record 400Hz and 12.5kHz alternately, and adjust the bias current adjustment potentiometer for the playback levels to become the same.	

Measurement Equipment Connections



RXD-303/353/503/553/653/A33/A53

WIRING DIAGRAM

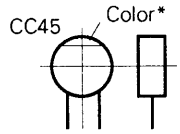


PARTS DESCRIPTIONS

CAPACITORS

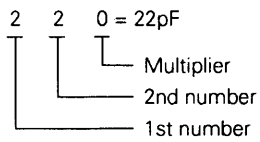
CC 45 TH 1H 220 J
1 2 3 4 5 6

1 = Type ... ceramic, electrolytic, etc.
2 = Shape ... round, square, ect.
3 = Temp. coefficient
4 = Voltage rating
5 = Value
6 = Tolerance



• Capacitor value

010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF



• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF - 10 ~ +50 Less than 4.7μF -10 ~ +75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

2nd word / 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

• Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
1 2 3 4 5 6 7
(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7
(Chip) (B, F)

Refer to the table above.
1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

Dimension (Chip capacitors)

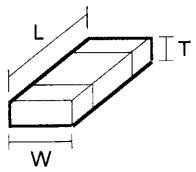
Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

• Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J
1 2 3 4 5 6 7
(Chip) (B,F)

Dimension



• Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
1 2 3 4 5 6 7

1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Rating wattage
6 = Value
7 = Tolerance

Dimension (Chip resistor)

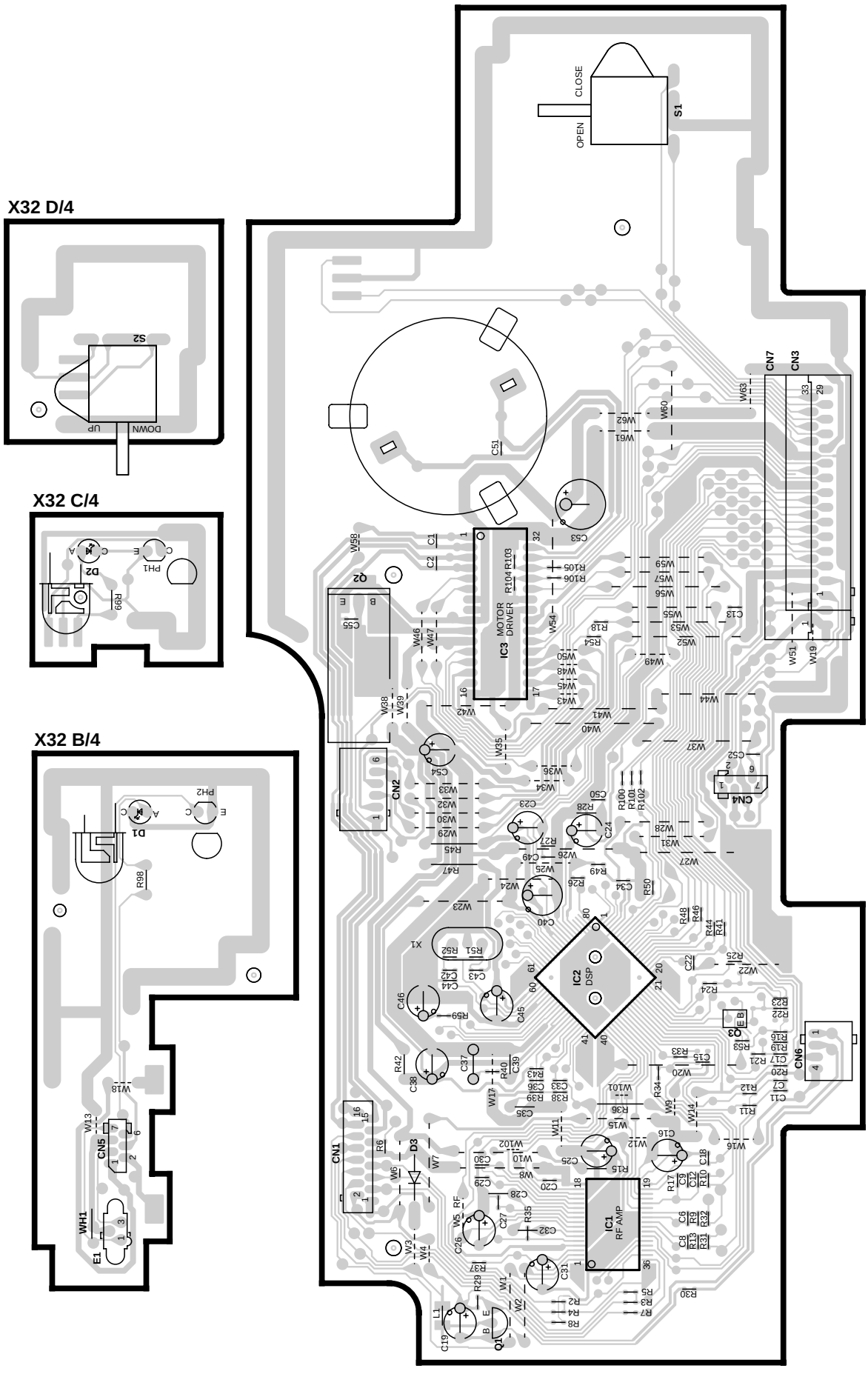
Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6±0.2	0.8±0.2	0.5±0.1

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

PC BOARD (Component side view)

X32-3800-10 A/4 (J70-1386-12)



Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

X13-7710-10 A/2 (J70-1384-21)

X13 B/5

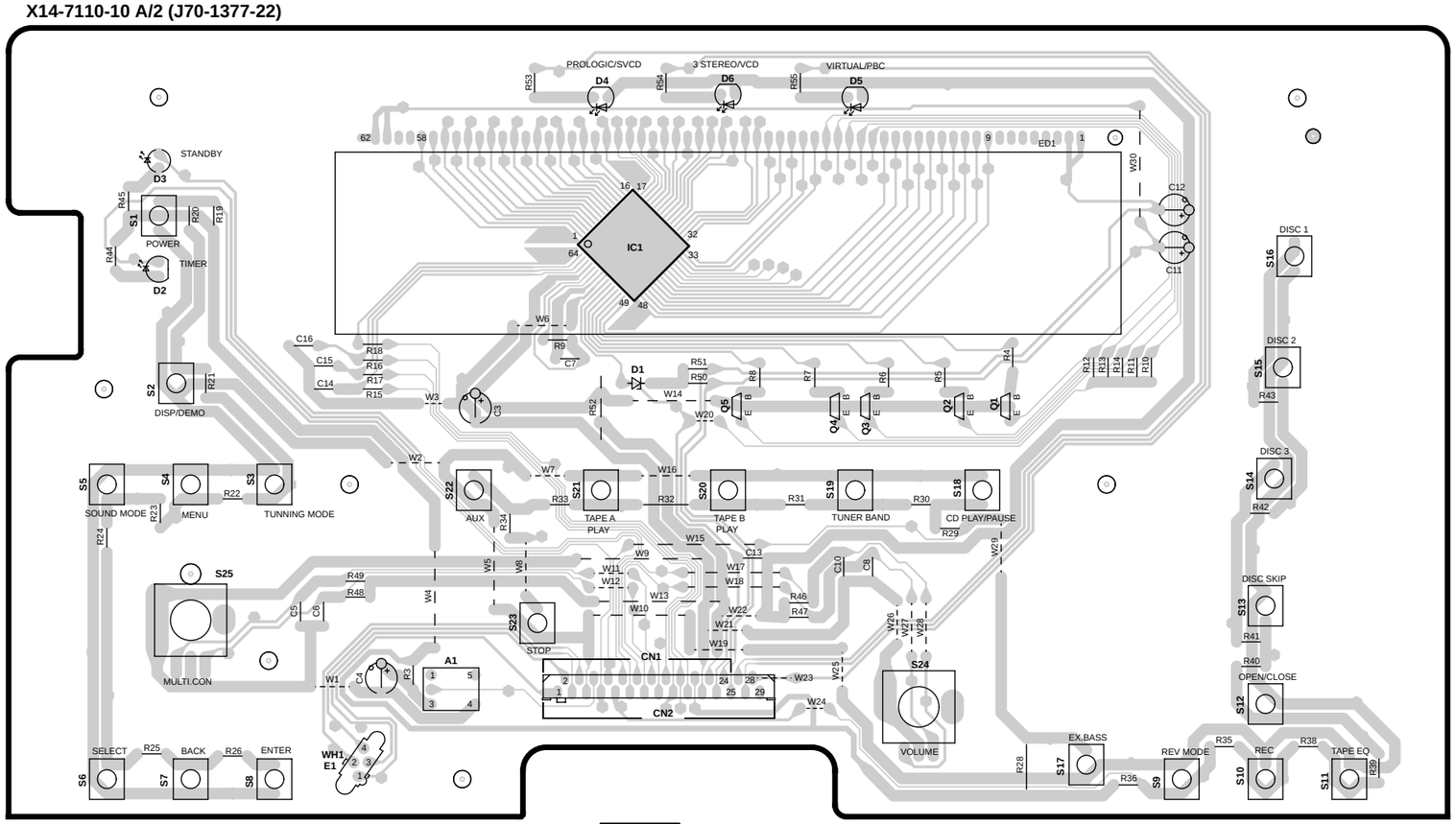
X13 C/5

X13 D/5

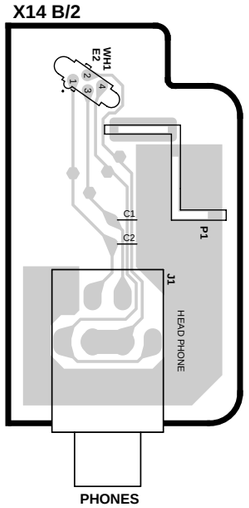
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

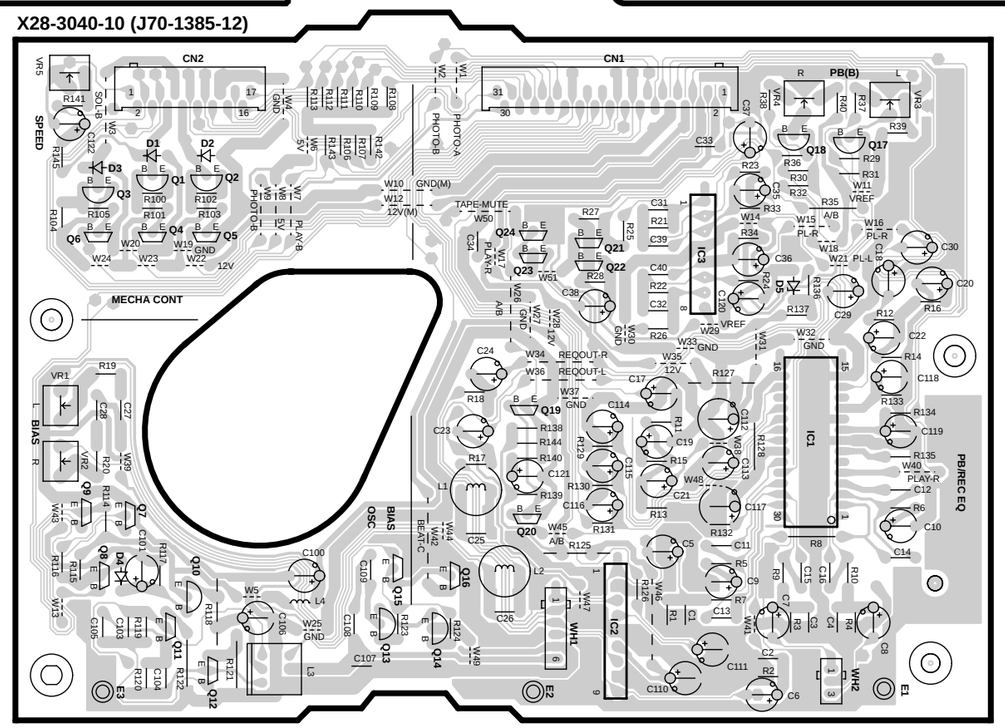
X14-7110-10 A/2 (J70-1377-22)



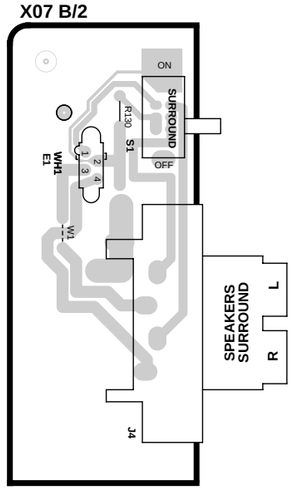
X14 B/2



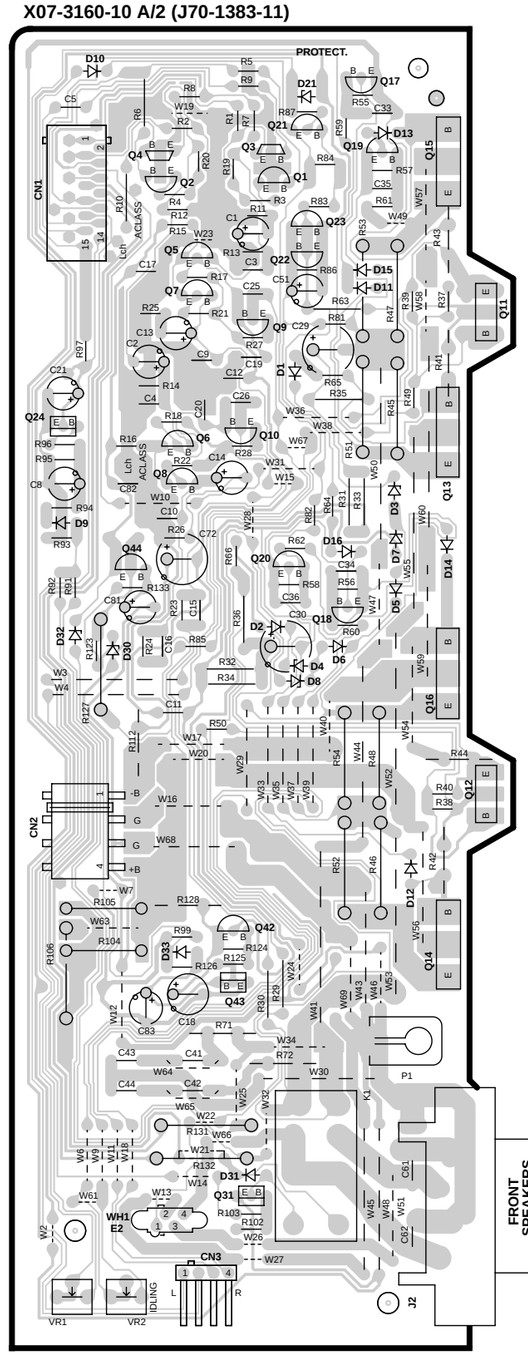
X28-3040-10 (J70-1385-12)



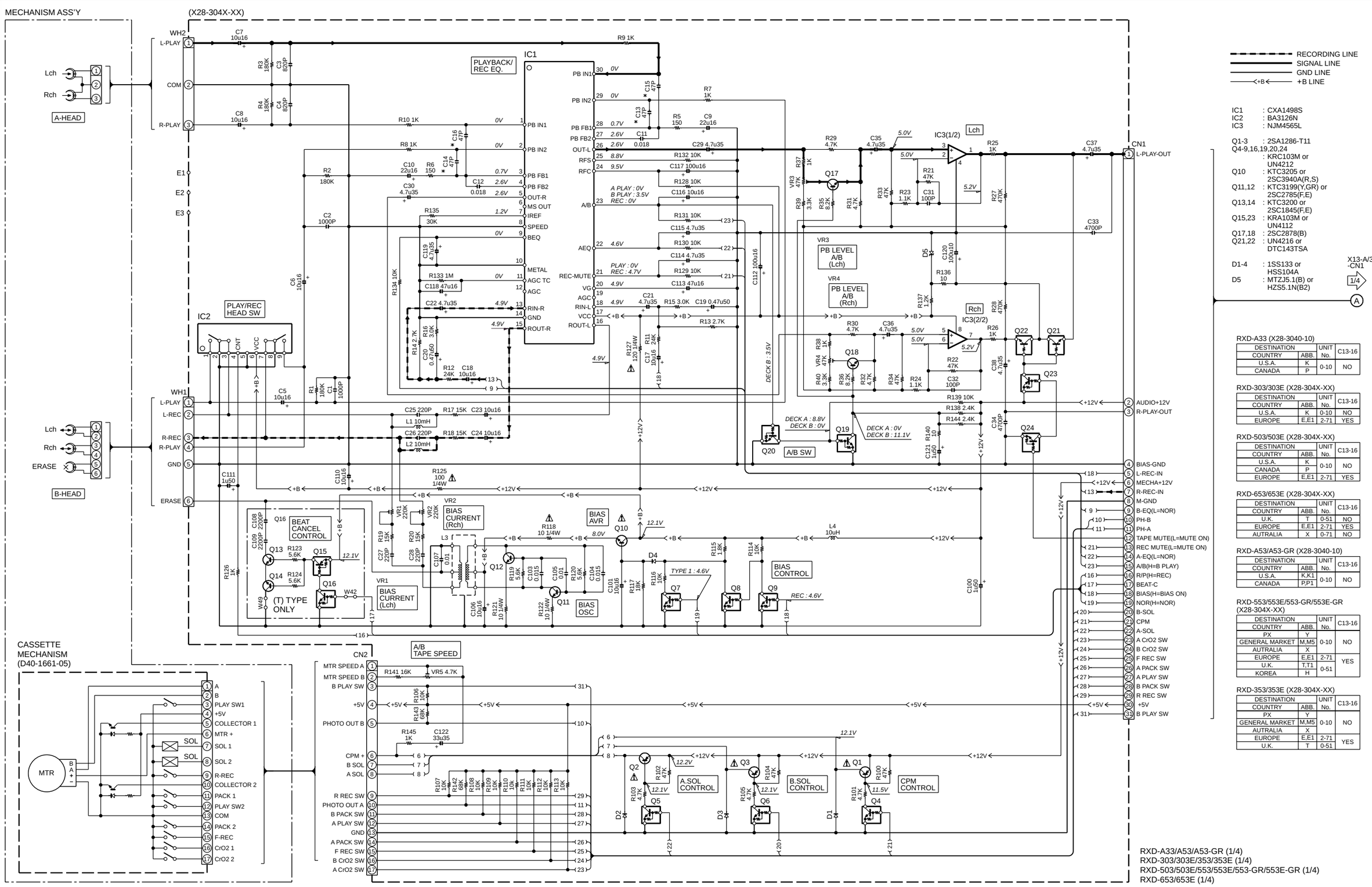
X07 B/2



X07-3160-10 A/2 (J70-1383-11)



Refer to the schematic diagram for the value of resistors and capacitors.



RECORDING LINE
SIGNAL LINE
GND LINE
+B LINE

IC1 : CXA1498S
IC2 : BA3126N
IC3 : NJM4565L

Q1-3 : 2SA1286-T11
Q4-9,16,19,20,24 : KRC103M or UN4212
Q10 : KTC3205 or 2SC3940A(R,S)
Q11,12 : KTC3199(Y,GR) or 2SC2785(F,E)
Q13,14 : KTC3200 or 2SC1845(F,E)
Q15,23 : KRA103M or UN4112
Q17,18 : 2SC2878(B)
Q21,22 : UN4216 or DTC143TSA

D1-4 : 1SS133 or HSS104A
D5 : MTZJ5.1(B) or HZS5.1N(B2)

X13-A/3 -CN1 1/4 A

RXD-A33 (X28-3040-10)

DESTINATION		UNIT	
COUNTRY	ABB.	No.	C13-16
U.S.A.	K	0-10	NO
CANADA	P		

RXD-303/303E (X28-304X-XX)

DESTINATION		UNIT	
COUNTRY	ABB.	No.	C13-16
U.S.A.	K	0-10	NO
EUROPE	E,E1	2-71	YES

RXD-503/503E (X28-304X-XX)

DESTINATION		UNIT	
COUNTRY	ABB.	No.	C13-16
U.S.A.	K	0-10	NO
CANADA	P		
EUROPE	E,E1	2-71	YES

RXD-653/653E (X28-304X-XX)

DESTINATION		UNIT	
COUNTRY	ABB.	No.	C13-16
U.K.	T	0-51	NO
EUROPE	E,E1	2-71	YES
AUTRALIA	X	0-71	NO

RXD-A53/A53-GR (X28-3040-10)

DESTINATION		UNIT	
COUNTRY	ABB.	No.	C13-16
U.S.A.	K,K1	0-10	NO
CANADA	P,P1		

RXD-553/553E/553-GR/553E-GR (X28-304X-XX)

DESTINATION		UNIT	
COUNTRY	ABB.	No.	C13-16
PX	Y	0-10	NO
GENERAL MARKET	M,M5		
AUTRALIA	X	2-71	YES
EUROPE	E,E1	0-51	
U.K.	T,T1		
KOREA	H		

RXD-353/353E (X28-304X-XX)

DESTINATION		UNIT	
COUNTRY	ABB.	No.	C13-16
PX	Y	0-10	NO
GENERAL MARKET	M,M5		
AUTRALIA	X	2-71	YES
EUROPE	E,E1	0-51	
U.K.	T		

RXD-A33/A53/A53-GR (1/4)
RXD-303/303E/353/353E (1/4)
RXD-503/503E/553/553E/553-GR/553E-GR (1/4)
RXD-653/653E (1/4)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

Y39-3420-10

RXD-303/353/503/553/653/A33/A53

KENWOOD

K L M N O P Q R S T

1 2 3 4 5 6 7

X28-CN1 1/4 A

RXD-503/503E (X32-380X-XX)

DESTINATION		UNIT	Ⓓ	Ⓔ	R50	C43, 44	W19	W28, 31	CN3	CN7
COUNTRY	ABB.	No.								
U.S.A.	K	0-10	YES	NO	NO	NO	YES	NO	YES	NO
CANADA	P									
EUROPE	E,E1	2-71	NO	YES	YES	YES	NO	YES	NO	YES

RXD-303/303E (X32-380X-XX)

DESTINATION		UNIT	Ⓓ	Ⓔ	R50	C43, 44	W19	W28, 31	CN3	CN7
COUNTRY	ABB.	No.								
U.S.A.	K	0-10	YES	NO	NO	NO	YES	NO	YES	NO
EUROPE	E,E1	2-71	NO	YES	YES	YES	NO	YES	NO	YES

RXD-653/653E (X32-3802-71)

DESTINATION		UNIT	Ⓓ	Ⓔ	R50	C43, 44	W19	W28, 31	CN3	CN7
COUNTRY	ABB.	No.								
U.K.	T	2-71	NO	YES	YES	YES	NO	YES	NO	YES
EUROPE	E,E1									
AUSTRALIA	X	0-10	YES	NO	NO	NO	YES	NO	YES	NO

RXD-A33 (X32-3800-10)

DESTINATION		UNIT	Ⓓ	Ⓔ	R50	C43, 44	W19	W28, 31	CN3	CN7
COUNTRY	ABB.	No.								
U.S.A.	K	0-10	YES	NO	NO	NO	YES	NO	YES	NO
CANADA	P									

RXD-353/353E (X32-380X-XX)

DESTINATION		UNIT	Ⓓ	Ⓔ	R50	C43, 44	W19	W28, 31	CN3	CN7
COUNTRY	ABB.	No.								
PX	Y	0-10	YES	NO	NO	NO	YES	NO	YES	NO
GENERAL MARKET	M,M5									
AUSTRALIA	X									
U.K.	T									
EUROPE	E,E1									
KOREA	H									

RXD-A53/A53-GR (X32-3800-10)

DESTINATION		UNIT	Ⓓ	Ⓔ	R50	C43, 44	W19	W28, 31	CN3	CN7
COUNTRY	ABB.	No.								
U.S.A.	K,K1	0-10	YES	NO	NO	NO	YES	NO	YES	NO
CANADA	P,P1									

RXD-553/553E/553-GR/553E-GR (X32-380X-XX)

DESTINATION		UNIT	Ⓓ	Ⓔ	R50	C43, 44	W19	W28, 31	CN3	CN7
COUNTRY	ABB.	No.								
PX	Y	0-10	YES	NO	NO	NO	YES	NO	YES	NO
GENERAL MARKET	M,M5									
AUSTRALIA	X									
U.K.	T,T1	2-71	NO	YES	YES	YES	NO	YES	NO	YES
EUROPE	E,E1									

(X32-380X-XX)

IC1 : AN8806SB
IC2 : MN35520 or MN662748RPMFA
IC3 : BA5936S

Q1 : 2SA954(L,K)
Q2 : KTA1046 or 2SB1370 or 2SB1375

D1,2 : SIR-34ST3F(KL)
D3 : 1SS133 or HSS104A

PH1,2 : RPT-37PB3F(MN)

CD MECHANISM ASS'Y (D40-1668-05)

TRAVERSE UNIT

DISC MOTOR (SPD+, SPD-)
SLED MOTOR (SLD+, SLD-)
SLT.SW

⚠ PICKUP ASS'Y (KCP3H)

FO-, TRK+, TRK-, FD+, MON, VR, LD, LD GND, F, B, A, C2, C1, E, VCC, 1/2 VCC

MON, VR1 (3.3K), R2 (5.6), LD, C1 0.1, C4 1, C2 0.1, C3 0.1, VCC, 1/2VCC, E, A, B, C, F

CNP1

(X32-380X-XX) (A/4)

CN2: SLT-SW, SW-GND, SLM-, SLM+, DM-, DM+

CN1: FCS(-), TRK(+), TRK(-), FCS(+), MON, VR, LD, LD GND

CN6: LD, +5V, VC, RF

TEST PIN

LD ON/OFF (Q1)

RF SERVO AMP

IC1 (BOTTOM VIEW)

IC2 (BOTTOM VIEW) CD SIGNAL PROCESSOR

IC3 6ch BTL DRIVER

+5.0V AVR, C55 1000P, 9.1V, Q2

LOADING MOTOR, C51 0.1

C53 220u25

X1 16.93MHz, X1 16.9344MHz

C54 100u10, R42 10

C33 1000P, C35 0.022, C36 0.022, R38 33K, R39 1M, C37 0.56, C39 1200P, C38 100u10, R40 220, R43 33K, C48 0.33u50, C44 56P, C42 1000P, C43 56P, R51 120, R52 1M, C45 47u25, R47 4.7, R59 2.7K, R45 22

R15 10, R29 10, C19 100u10, C25 100u10, C2 0.1, C1 0.1, R6 91, D3, L1 10uH

R37 1K, C31 2.2u50, R35 12K, C32 0.1, C26 4.7u50, C27 2200P, C28 0.022, C29 5600P, C30 2200P, C20 330P

R7 68K, R2 68K, R3 68K, R4 68K, R5 68K, R6 68K

C7 0.1, C11 0.1, R11 330K, R12 330K, R13 56K, C8 330P, R9 68K, C6 220P, R21 100, R32 100, C12 0.022, C16 100u10, C18 0.1, R17 47K, R10 100K, C9 0.022

R30 47K, R36 220

R16 33K, R20 2.2K, R21 16K, R22 2.2K, R23 27K, R25 33K, R24 7.5K, R18 330, R19 1K, C13 0.033, C17 0.015

R34 47K, C15 560P, R33 1K

R103 33K, R105 1K, R104 33K, R106 1K, R54 180K, R27 10K, C49 220P, R28 10K, C50 220P, C23 2.2u50, C24 2.2u50, C40 220u10

R100 100, R101 100, R102 100, R50 100, R49 22, C34 0.1, C22 0.022, R41 1K, R44 1K, R46 1K, R48 1K, R26 10K

S1, S2

TRAY MOTOR (M1), C52 0.1

(X32-) (B/4): TRYR-M, TRYL-M, LED(AD), LED(PS), GND, POSITION, ADDRESS

(X32-) (C/4): D2, R99 330, D1, R98 330, PH1, PH2, WH1, E1

CN5, CN4

(X32-) (D/4)

CN3: OPEN SW, CLOSE SW, TDSW, TUSW, OPEN, CLOSE, RTL, RTR, CD +9V, CD GND, DC OFF, SLTSW, CD-Lch, A GND, CD-Rch, CDPROT, M CLK, M DATA, MLD, BLKCK, SQCK, SUBQ, D MUTE, STAT, XRST, GND, +5V, PHTR, PSSW

CN7: +5V, D OUT, GND, GND

W28, W19

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter. The measurement value may vary depending on the measuring instruments used or on the product. Refer to the voltage during PLAY unless otherwise specified; The value shown in ( ) is the voltage measured at the moment of STOP.

U V W X Y Z AA AB AC AD

(X13-771X-XX)

A1 TUNER PACK

FM(300) FM(75) GND AM FM+DET S-LEVEL SD ST Rch GND Lch +12V PLL DATA PLL CLK PLL CE PLL DO DE-EMPH /MONO

J1 FM(75) ANTENNA GND AM

W189

C49 0.01 C50 0.01 C215 0.01 C216 0.01

Q3 POWER SUPPLY ON/OFF SW (TUNER)

CONTROLLER (Q3) Q4 Q3 R58 4.7K R57 4.7K 12.2V TUNER : 11.5V

RDS DEMODULATOR IC12

QUAL RDSDATA VREF MPX AVDD AVSS CIN SCOUT RDSCLK T57 OSCO OSCI DVDD DVSS TEST TSTLD

R52 47K R53 100 R51 100 C51 2.2u50 C52 270P C59 47P C58 560P C54 27P C55 27P X3 4.332MHz C56 0.01 C57 47u25 R59 4.7 1/4W C53 0.01 C218 220P

J2 Lch 1 MD/DVD INPUT Rch 2

R1 2.2K R2 2.2K C1 220P C2 220P R3 15K R4 15K C35 1000P C36 1000P C3 1u50 C4 1u50

P1 W201

A2 D OUT +5V GND C150 0.01

CN2 GND GND D OUT +5V PSSW PHTR +5V GND XRST STAT D MUTE SUBQ SQCK BLKCK MLD M DATA MCLK CDPROT CD-Rch A GND CD-Lch SLTSW DC OFF CD GND CD 9V RTR RTL CLOSE OPEN TUSW TDSW CLOSE SW OPEN SW

CN21 PSSW PHTR +5V GND XRST STAT D MUTE SUBQ SQCK BLKCK MLD M DATA MCLK CDPROT CD-Rch A GND CD-Lch SLT SW DC OFF CD GND CD 9V RTR RTL CLOSE OPEN TUSW TDSW CLOSE SW OPEN SW

IC4 (1/2) (2/2) LPF

R15 2.2K R17 2.2K R19 2.2K R16 2.2K R18 2.2K R20 2.2K C43 5600P C44 5600P C45 1500P C69 47P C61 100P C46 1500P C70 47P C62 100P R25 15K C47 1500P R26 15K C48 1500P R21 R61 D20 R22 10 C42 47u25

MUTE ON : 2.1V OFF : -1.6V Q102 Q103 Q101 R261 10K R260 820 R259 10K R263 1.5K R265 1.5K R255 5.6K C207 22u50 R256 47K R254 1K R200 5.6K C60 1 R270 47K R269 2.2K ON : 0.2V OFF : 4.7V Q104 ATT

D103 R257 1K

TAPE MUTE Q9 C225 4.7u50 R55 10K R54 2.2K TAPE : 0.7V TAPE : 0V OTHER : 5.0V

R224 220 R225 220 R226 220 R227 220 R302 47K R228 220 R229 220 R230 220 R231 220 R240 4.7K R241 4.7K R242 4.7K R243 4.7K R232 220 R233 220 R237 47K R238 4.7K R234 220 R235 220 R236 220 R268 4.7K R239 4.7K

TUNER : 4.7V OTHER : 0V R273 1M C206 0.1

IC101 (BOTTOM VIEW) u-COM

MDATA STAT MCLK NOR RP REC MUTE B EQ PLL DO BEEP SOUND CE BLKCK RDSCLK REM NMI VCC(BU) X IN VSS X OUT RST XC OUT XC IN CN VSS BYTE PLL CLK RDS DATA PLL CE ST SD CE2 SLEVEL

A EQ A/B TAPE MUTE MCONT A MCONT B VOL B VOL A LED STBY LED TIMER TYPE2 OPEN SW CLOSE SW TD SW TU SW VCC(BU) OPEN VSS CLOSE BRKM RTL RTR DC OFF CD PROT SLT SW MLD SOCK SUBQ D MUTE XRST PHTR PSSW TU ON/OFF A MUTE

ATT POWER SP RELAY EV CLK EV DATA EMPHASIS EPROM DATA EPROM CLK PROTECT SPEANA TYPE BPH APH KEY3 KEY2 AVSS KEY1 VREF AVCC(BU) PLL DATA SLEVEL

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD

CN1 L-PLAY 12V-BIAS R-PLAY GND(BIAS) L-REC +12V MECHA R-REC GND(MECHA) B EQ B PH APH TAPE MUTE REC MUTE A EQ A/B R/P BEAT.C BIAS NOR SOL-B CPM SOL-A CR-A CR-B F REC PACK-A PLAY A PACK-B R REC +5V PLAY-B

R271 1K R272 1K D101 D102 R281 470K R282 470K C167 0.1

IC11 INPUT SELECTOR E.VOL

SUR-2 SUR-1 REF IN REF OUT BASS MID TRE SURROUND

R5 470K R6 470K R9 7.5K R10 7.5K C213 0.1 C41 0.047 C168 0.1

IC2 Q8 Q5 D9 D12 D13

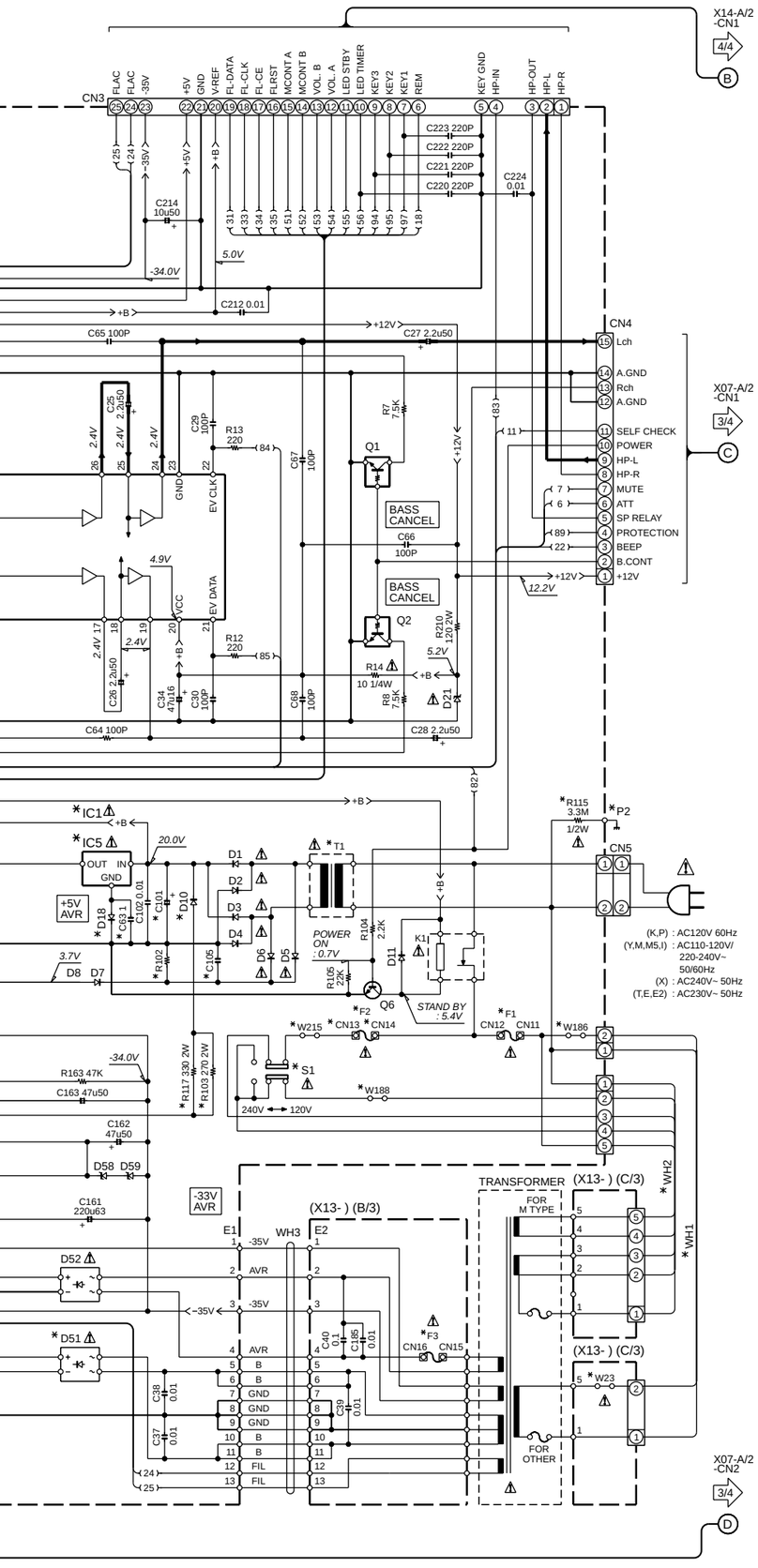
R116 10K R114 1K R113 100K R108 1K C108 100u10 R107 10K R106 1K C107 47P C104 10u50 C103 0.01 C112 1u50 C114 1 C115 1 C109 1000u6.3 C116 470P C113 1u50 C219 220P

+5V AVR +9V AVR +12V AVR Q14 Q13 Q12 Q11 Q15 D22 D54 D53 D55 D56 D57

R173 6.2K R167 12K R168 12K R172 9.1K R150 120 2W C166 1000P R155 10 R154 620 R170 10 R153 330 R152 33K R162 3.9K 1/4W R161 47 1/4W C158 47u25 C157 47u25 C160 47u25 C159 47u25 C156 47u25 C155 47u25 C154 47u25 C153 3300u25 C164 0.1 R157 1.5K R158 100 R159 120 R160 10 R156 1.2K

WH4 +B GND GND -B

C106 0.01 R165 47K R166 47K C151 C152



RXD-A53/A53-GR (X13-7710-10)

DESTINATION		UNIT No.	A1	Ⓑ Ⓒ	IC1	IC5	D10	D18	D51	C13, 14	C21, 22	C63	C101	C105	C151, 152	C217	T1
COUNTRY	ABB.																
U.S.A.	K,K1	0-10	W02-2743-05	NO	YES	NO	YES	NO	D4SBL20UF03	YES	6800P	NO	3300u 25	0.1	4700u 68	220P	L07-2761-05
CANADA	P,P1																

DESTINATION		R21, 61	R23, 24	R102	R103,115, 117	R250	WH1	WH2	CN2, 13,14	CN21	W23,186, 201	W188, 215	F1	F2	F3	S1	P2
COUNTRY	ABB.																
U.S.A.	K,K1	5.6K 2W	6.8K	56K	YES	91K	YES	NO	NO	YES	YES	NO	6.3A 125V	NO	2.5A 125V	NO	YES
CANADA	P,P1																

RXD-A33 (X13-7710-11)

DESTINATION		UNIT No.	A1	Ⓑ Ⓒ	IC1	IC5	D10	D18	D51	C13, 14	C21, 22	C63	C101	C105	C151, 152	C217	T1
COUNTRY	ABB.																
U.S.A.	K	0-11	W02-2743-05	NO	YES	NO	YES	NO	TSS4B03G-B1	YES	8200P	NO	3300u 25	0.1	3300u 56	220P	L07-2761-05
CANADA	P																

DESTINATION		R21, 61	R23, 24	R102	R103,115 117	R250	WH1	WH2	CN2, 13,14	CN21	W23, 186,201	W188, 215	F1	F2	F3	S1	P2
COUNTRY	ABB.																
U.S.A.	K	4.7K 2W	10K	56K	YES	91K	YES	NO	NO	YES	YES	NO	6.3A 125V	NO	2.5A 125V	NO	YES
CANADA	P																

RXD-653/653E (X13-771X-XX)

DESTINATION		UNIT No.	A1	Ⓑ Ⓒ	IC1	IC5	D10	D18	D51	C13, 14	C21, 22	C63	C101	C105	C151, 152	C217	T1
COUNTRY	ABB.																
U.K.	T	0-51	W02-2745-05	YES	NO	YES	NO	YES	D4SBL20UF03	NO	6800P	YES	3300u 16	0.039	3300u 63	470P NO	L07-2758-05
EUROPE	E,E1	2-71	W02-2747-05														
AUSTRALIA	X	0-71	W02-2746-05	NO						YES						220P	

DESTINATION		R21, 61	R23, 24	R102	R103,115 117	R250	WH1	WH2	CN2	CN13, 14,21	W23, 186	W188, 201,215	F1	F2	F3	S1	P2
COUNTRY	ABB.																
U.K.	T	5.6K 2W	NO	62K	NO	13K	YES	NO	YES	NO	YES	NO	T3.15AL 250V	NO	T2AL 250V	NO	NO
EUROPE	E,E1		6.8K			8.2K											
AUSTRALIA	X					4.7K			NO								

RXD-303/303E (X13-771X-XX)

DESTINATION		UNIT No.	A1	Ⓑ	Ⓒ	IC1	IC5	D10	D18	D51	C13, 14	C21, 22	C63	C101	C105	C151, 152	C217	T1
COUNTRY	ABB.																	
U.S.A.	K	0-11	W02-2743-05	NO	NO	YES	NO	YES	NO	TSS4B03G-B1	YES	8200P	NO	3300u 25	0.1	3300u 56	220P	L07-2761-05
EUROPE	E,E1	2-72	W02-2747-05	YES		NO	YES	NO	YES		NO		YES	3300u 16	0.039	3300u 50	NO	L07-2758-05

DESTINATION		R21, 61	R23, 24	R102	R103,115 117	R250	WH1	WH2	CN2, 13,14	CN21	W23, 186,201	W188, 215	F1	F2	F3	S1	P2
COUNTRY	ABB.																
U.S.A.	K	4.7K 2W	10K	56K	YES	91K	YES	NO	NO	YES	YES	NO	6.3A 125V	NO	2.5A 125V	NO	YES
EUROPE	E,E1		NO	62K	NO	8.2K							T2.5AL 250V		T2AL 250V		NO

RXD-503/503E (X13-771X-XX)

DESTINATION		UNIT No.	A1	Ⓑ Ⓒ	IC1	IC5	D10	D18	D51	C13, 14	C21, C22	C63	C101	C105	C151, 152	C217	T1
COUNTRY	ABB.																
U.S.A.	K	0-10	W02-2743-05	NO	YES	NO	YES	NO	D4SBL20UF03	YES	6800P	NO	3300u 25	0.1	4700u 68	220P	L07-2761-05
CANADA	P																
EUROPE	E,E1	2-71	W02-2747-05	YES	NO	YES	NO	YES		NO		YES	3300u 16	0.039	3300u 63	NO	L07-2758-05

DESTINATION		R21, 61	R23, 24	R102	R103,115 117	R250	WH1	WH2	CN2	CN13, 14	CN21	W23, 186	W188, 215	W201	F1	F2	F3	S1	P2
COUNTRY	ABB.																		
U.S.A.	K	5.6K 2W	6.8K	56K	YES	91K	YES	NO	NO	NO	YES	YES	NO	YES	6.3A 125V	NO	2.5A 125V	NO	YES
CANADA	P																		
EUROPE	E,E1		NO	62K	NO	8.2K			YES		NO			NO	T3.15AL 250V		T2AL 250V		NO

RXD-553/553E/553-GR/553E-GR (X13-771X-XX)

DESTINATION		UNIT No.	A1	Ⓑ Ⓒ	IC1	IC5	D10	D18	D51	C13, 14	C21, 22	C63	C101	C105	C151, 152	C217	T1
COUNTRY	ABB.																
PX	Y	0-21	W02-2744-05	NO	NO	YES	YES	YES	D4SBL20UF03	YES	6800P	YES	3300u 16	0.056	3300u 63	220P	L07-2805-05
GENERAL MARKET	M						NO			NO				0.039		470P NO	L07-2758-05
	M5																
AUSTRALIA	X	0-71	W02-2746-05														
U.K.	T,T1	0-51	W02-2745-05	YES													
EUROPE	E,E1	2-71	W02-2747-05														

DESTINATION		R21, 61	R23, 24	R102	R103, 117	R115	R250	WH1	WH2	CN2	CN13, 14	CN21	W23, 186	W188, 215	W201	F1	F2	F3	S1	P2
COUNTRY	ABB.																			
PX	Y	5.6K 2W	6.8K	62K	YES	NO	39K	NO	YES	NO	YES	YES	NO	YES	YES	T2.5AL 250V	T2.5AL 250V	T2AL 250V	YES	NO
GENERAL MARKET	M						4.7K				NO								NO	
	M5				NO		13K	YES	NO	YES		NO	YES	NO	NO	T3.15AL 250V	NO			
AUSTRALIA	X						8.2K													
U.K.	T,T1		NO																	
EUROPE	E,E1																			

RXD-353/353E (X13-771X-XX)

DESTINATION		UNIT No.	A1	Ⓑ	Ⓒ	IC1	IC5	D10	D18	D51	C13, 14	C21, 22	C63	C101	C105	C151, 152	C217	T1
COUNTRY	ABB.																	
PX	Y	0-22	W02-2744-05	NO	NO	NO	YES	YES	YES	TSS4B03G-B1	YES	8200P	YES	3300u 16	0.056	3300u 50	220P	L07-2805-05
GENERAL MARKET	M																	
	M5							NO			NO				0.039		470P NO	L07-2758-05
AUSTRALIA	X	0-72	W02-2746-05	YES														
U.K.	T	0-52	W02-2745-05															
KOREA	H																	
EUROPE	E,E1	2-72	W02-2747-05															

DESTINATION		R21, 61	R23, 24	R102	R103, 117	R115	R250	WH1	WH2	CN2	CN13, 14	CN21	W23, 186	W188, 215	W201	F1	F2	F3	S1	P2
COUNTRY	ABB.																			
PX	Y	4.7K 2W	10K	62K	YES	NO	39K	NO	YES	NO	YES	YES	NO	YES	YES	T2AL 250V	T2AL 250V	T2AL 250V	YES	NO
GENERAL MARKET	M																		NO	
	M5				NO		4.7K				NO									
AUSTRALIA	X						13K	YES	NO			NO	YES	NO	NO	T2.5AL 250V	NO			
U.K.	T		NO																	
KOREA	H						8.2K													
EUROPE	E,E1																			

(X13-) D51

MODELS	RXD-A33/303/353		RXD-A53/503/553/653	
	K/P TYPE	OTHERS	K/P TYPE	OTHERS
Ⓐ (+B)	*+53.3V*	*+44.0V*	*+58.5V*	*+53.3V*
Ⓑ (-B)	*-53.3V*	*-44.0V*	*-58.5V*	*-53.3V*

RECORDING LINE
SIGNAL LINE
GND LINE
+B LINE
−B LINE

RXD-A33/A53/A53-GR (2/4)
RXD-303/303E/353/353E (2/4)
RXD-503/503E/553/553E/553-GR/553E-GR (2/4)
RXD-653/653E (2/4)

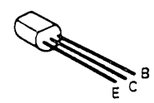
(X13-771X-XX)

IC1 : XC62FP5102P
IC2 : S-80840ANY
IC4 : NJM4565M
IC5 : BA05T
IC11 : M62498AFP
IC12 : BU1923F
IC101 : M30622MA-A62FP

Q1,2 : DTC143TUA or UN5216
Q3 : 2SB1412F5(Q,R)
Q4 : DTC124EUA or UN5212
Q5 : KTA1268 or 2SA992(F,E)
Q6 : 2SC2003(L,K)
Q8,12 : KTC3199(Y,GR) or 2SC2785(F,E)
Q9 : 2SC4081
Q11 : 2SB1659 ×2
Q13,14 : 2SD2012 or 2SD2061
Q15 : 2SC3940A(R,S)
Q101,104 : DTA113ZUA or UN5119
Q102,103 : KTA1267(Y,GR) or 2SA1175(F,E)

D1-8,10,11,17 : 1SS133 or HSS104A
D12 : MA111
D9,103 : RB721Q
D12,13,18,101,102 : RD12JS(B) or RD15ES(B2)
D20 : MTZJ5.1(B) or RD5.1ES(B2)
D21 : S5688B
D22,57 : D2SBA20F30
D51 : MTZJ6.2(B) or RD6.2ES(B2)
D52 : MTZJ6.8(B) or RD6.8ES(B2)
D53 : MTZ5.6(B) or RD5.6ES(B2)
D54 : MTZJ10(B) or RD10ES(B2)
D55 : MTZJ20(B) or RD20ES(B)
D56 : RD20ES(B)
D58,59 : ＊

2SA1286-T11 2SC2878
2SA954 2SC3940A
2SA992
2SC1845
2SC2003
2SC2631



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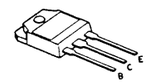
2SB1647
2SD2493A
2SD2560



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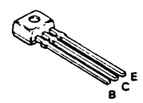

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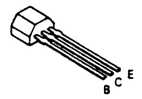

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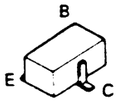

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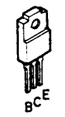
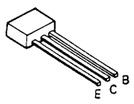


UN4212
UN4216



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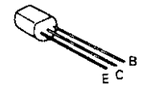

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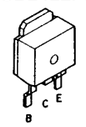

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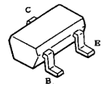
2SD2012

2SC4081



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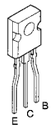

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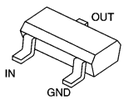

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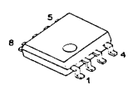

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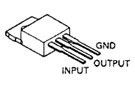

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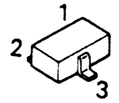

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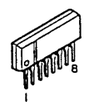

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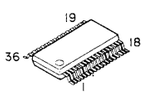

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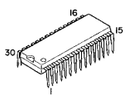

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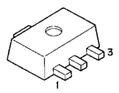

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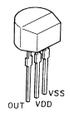

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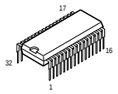

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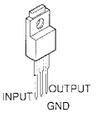
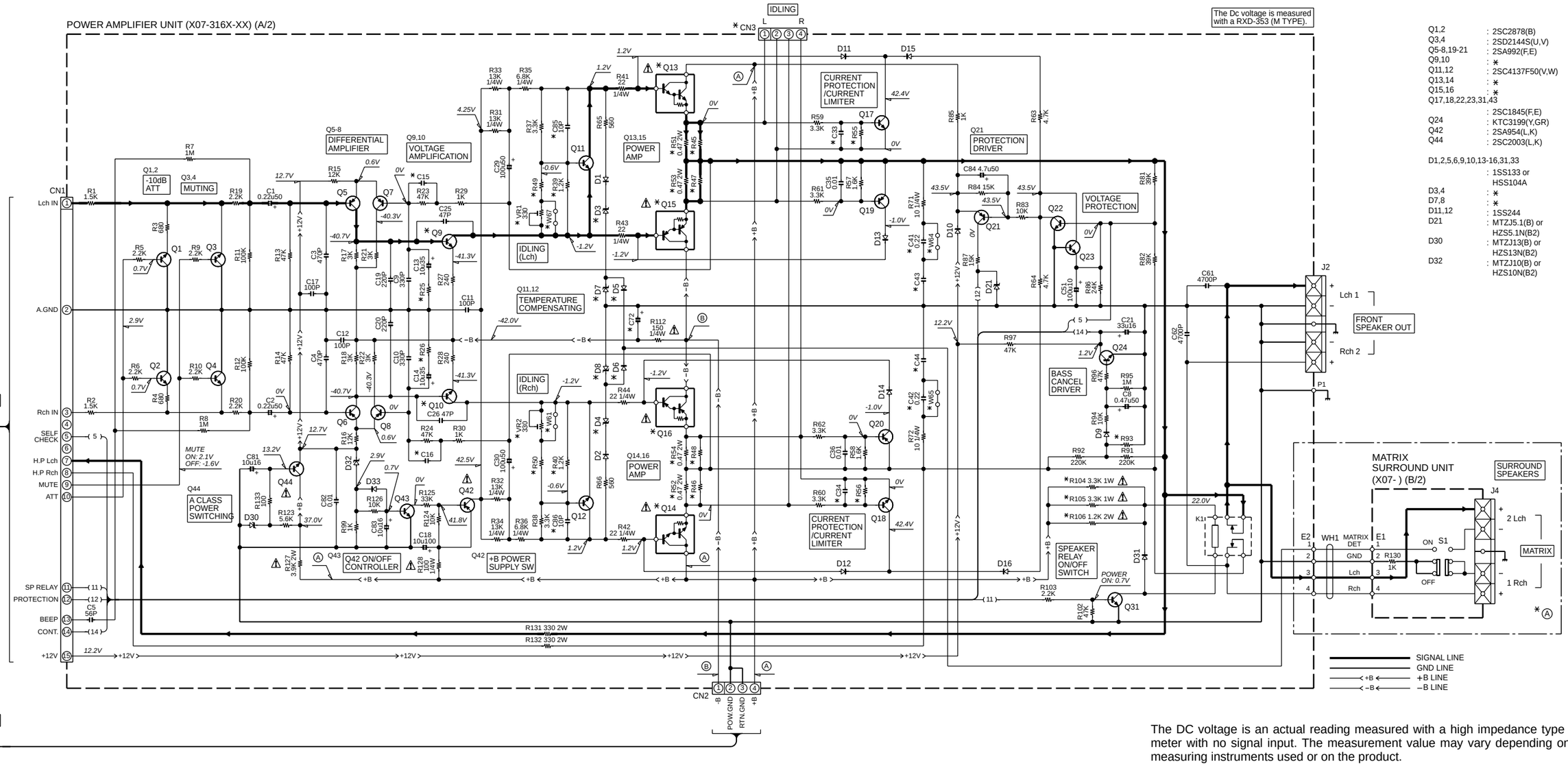


Y39-3420-10

RXD-303/353/503/553/653/A33/A53

KENWOOD



The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

RXD-303/303E (X07-316X-XX)

DESTINATION		UNIT No.	Ⓐ	R25, 26	R39,40, 106	R45-48	R49, 50	R51-54, 104,105	R55, 56	R93	C15, 16	C33, 34	C41, 42	C43, 44	C72	C85, 86	D3,4	D5, 6	D7,8	W61, 67	W64, 65	Q9,10	Q13,14	Q15,16	VR1, 2	CN3
COUNTRY	ABB.																								
U.S.A.	K	0-11	NO	680	YES	0.22 2W	47K	NO	1.2K	4.3K	7P	0.022	NO	0.1	47u63	NO	MTZJ20(B) or HZS20N(B2)	NO	MTZJ16(B) or HZS16N(B2)	YES	YES	2SC1845(F,E)	2SD2493A	2SB1624A	NO	NO
EUROPE	E,E1	2-72	YES						1.3K	5.1K			YES	0.22			MTZJ18(B) or HZS18N(B2)	YES	MTZJ13(B) or HZS13N(B2)		NO					

RXD-503/503EX07-316X-XX)

DESTINATION		UNIT No.	Ⓐ	R25, 26	R39,40, 106	R45-48	R49, 50	R51-54, 104,105	R55, 56	R93	C15, 16	C33, 34	C41, 42	C43, 44	C72	C85, 86	D3,4	D5, 6	D7,8	W61, 67	W64, 65	Q9,10	Q13,14	Q15,16	VR1, 2	CN3
COUNTRY	ABB.																								
U.S.A.	K	0-10	NO	470	NO	0.47 2W	1K	YES	1K	3.9K	3P	0.033	NO	0.1	22u100	YES	MTZJ18(B) or HZS18N(B2)	NO	MTZJ24(B) or HZS24N(B2)	NO	YES	2SC2631(R,S)	2SD2560	2SB1647	YES	YES
CANADA	P																								
EUROPE	E,E1	2-71	YES	680	YES	0.22 2W	47K	NO	1.2K	4.3K	7P	0.022	YES	0.22	47u63	NO	MTZJ20(B) or HZS20N(B2)	YES	MTZJ16(B) or HZS16N(B2)	YES	NO	2SC1845(F,E)	2SD2493A	2SB1624A	NO	NO

RXD-653/653E (X07-3162-71)

DESTINATION		UNIT No.	Ⓐ	R25, 26	R39,40, 106	R45-48	R49, 50	R51-54, 104,105	R55, 56	R93	C15, 16	C33, 34	C41, 42	C43, 44	C72	C85, 86	D3,4	D5, 6	D7,8	W61, 67	W64, 65	Q9,10	Q13,14	Q15,16	VR1, 2	CN3
COUNTRY	ABB.																								
U.K.	T																								
EUROPE	E,E1	2-71	YES	680	YES	0.22 2W	47K	NO	1.2K	4.3K	7P	0.022	YES	0.22	47u63	NO	MTZJ20(B) or HZS20N(B2)	YES	MTZJ16(B) or HZS16N(B2)	YES	NO	2SC1845(F,E)	2SD2493A	2SB1624A	NO	NO
AUSTRALIA	X																								

RXD-A33 (X07-3160-11)

DESTINATION		UNIT No.	Ⓐ	R25, 26	R39,40, 106	R45-48	R49, 50	R51-54, 104,105	R55, 56	R93	C15, 16	C33, 34	C41, 42	C43, 44	C72	C85, 86	D3,4	D5, 6	D7,8	W61, 67	W64, 65	Q9,10	Q13,14	Q15,16	VR1, 2	CN3
COUNTRY	ABB.																								
U.S.A.	K	0-11	NO	680	YES	0.22 2W	47K	NO	1.2K	4.3K	7P	0.022	NO	0.1	47u63	NO	MTZJ20(B) or HZS20N(B2)	NO	MTZJ16(B) or HZS16N(B2)	NO	YES	2SC1845(F,E)	2SD2493A	2SB1624A	NO	NO
CANADA	P																								

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

RXD-A53/A53-GR (X07-3160-10)

DESTINATION		UNIT No.	Ⓐ	R25, 26	R39,40, 106	R45-48	R49, 50	R51-54, 104,105	R55, 56	R93	C15, 16	C33, 34	C41, 42	C43, 44	C72	C85, 86	D3,4	D5, 6	D7,8	W61, 67	W64, 65	Q9,10	Q13,14	Q15,16	VR1, 2	CN3
COUNTRY	ABB.																								
U.S.A.	K,K1	0-10	NO	470	NO	0.47 2W	1K	YES	1K	3.9K	3P	0.033	NO	0.1	22u100	YES	MTZJ18(B) or HZS18N(B2)	NO	MTZJ24(B) or HZS24N(B2)	NO	YES	2SC2631(R,S)	2SD2560	2SB1647	YES	YES
CANADA	P,P1																								

RXD-553/553E/553-GR/553E-GR (X07-3162-71)

DESTINATION		UNIT No.	Ⓐ	R25, 26	R39,40, 106	R45-48	R49, 50	R51-54, 104,105	R55, 56	R93	C15, 16	C33, 34	C41, 42	C43, 44	C72	C85, 86	D3,4	D5, 6	D7,8	W61, 67	W64, 65	Q9,10	Q13,14	Q15,16	VR1, 2	CN3
COUNTRY	ABB.																								
PX	Y																								
GENERAL MARKET	M,M5																								
AUSTRALIA	X	2-71	YES	680	YES	0.22 2W	47K	NO	1.2K	4.3K	7P	0.022	YES	0.22	47u63	NO	MTZJ20(B) or HZS20N(B2)	YES	MTZJ16(B) or HZS16N(B2)	YES	NO	2SC1845(F,E)	2SD2493A	2SB1624A	NO	NO
U.K.	T,T1																								
EUROPE	E,E1																								

RXD-353/353E (X07-3162-72)

DESTINATION		UNIT No.	Ⓐ	R25, 26	R39,40, 106	R45-48	R49, 50	R51-54, 104,105	R55, 56	R93	C15, 16	C33, 34	C41, 42	C43, 44	C72	C85, 86	D3,4	D5, 6	D7,8	W61, 67	W64, 65	Q9,10	Q13,14	Q15,16	VR1, 2	CN3
COUNTRY	ABB.																								
PX	Y																								
GENERAL MARKET	M,M5																								
AUSTRALIA	X	2-72	YES	680	YES	0.22 2W	47K	NO	1.3K	5.1K	7P	0.022	YES	0.22	47u63	NO	MTZJ18(B) or HZS18N(B2)	YES	MTZJ13(B) or HZS13N(B2)	YES	NO	2SC1845(F,E)	2SD2493A	2SB1624A	NO	NO
U.K.	T																								
EUROPE	E,E1																								
KOREA	H																								

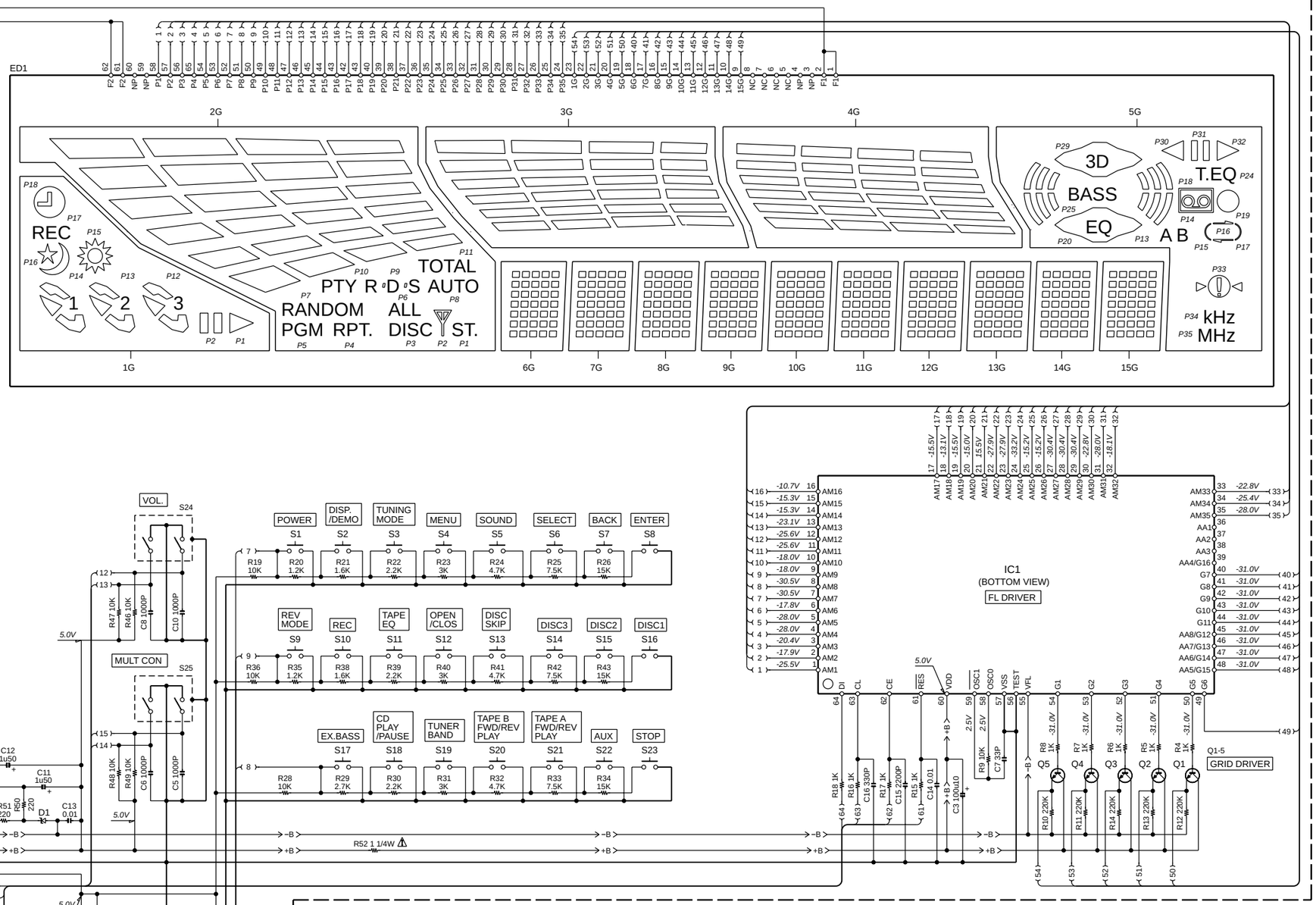
RXD-A33/A53/A53-GR (3/4)
RXD-303/303E/353/353E (3/4)
RXD-503/503E/553/553E/553-GR/553E-GR (3/4)
RXD-653/653E (3/4)

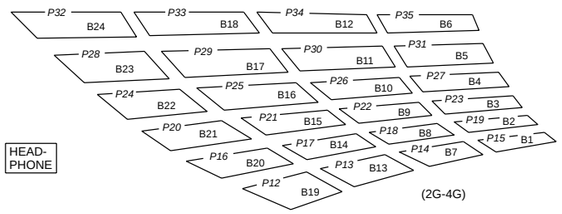
Y39-3420-10

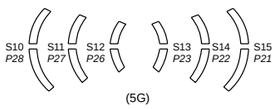
RXD-303/353/503/553/653/A33/A53

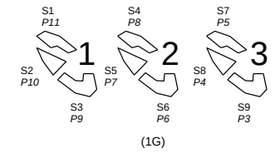
KENWOOD

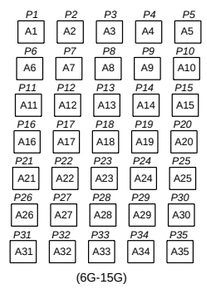
(X14-7110-XX) (A/2)











IC1 : LC75711NED

Q1-5 : KTC3199(Y,GR) or 2SC2785(F,E)

D1 : MTZJ6.2(B) or HZS6.2N(B2)

D2,3 : B30-2567-05

ED1 : HNA-15MM18T

GND LINE
+B LINE
−B LINE

RXD-A33 (X14-7110-11)

DESTINATION		UNIT
COUNTRY	ABB.	No.
U.S.A.	K	0-11
CANADA	P	

RXD-503/503E (X14-7110-10)

DESTINATION		UNIT
COUNTRY	ABB.	No.
U.S.A	K	0-10
CANADA	P	
EUROPE	E,E1	

RXD-303/303E (X14-7110-11)

DESTINATION		UNIT
COUNTRY	ABB.	No.
U.S.A.	K	0-11
CANADA	E,E1	

RXD-653/653E (X14-7110-10)

DESTINATION		UNIT
COUNTRY	ABB.	No.
U.K.	T	0-10
EUROPE	E,E1	
AUSTRALIA	X	

RXD-A53/A53-GR (X14-7110-10)

DESTINATION		UNIT
COUNTRY	ABB.	No.
U.S.A.	K,K1	0-10
CANADA	P,P1	

RXD-353/353E (X14-7110-11)

DESTINATION		UNIT
COUNTRY	ABB.	No.
PX	Y	0-11
GENERAL MARKET	M	
AUSTRALIA	X	
U.K.	T	
EUROPE	E,E1	
GENERAL MARKET	M5	
KOREA	H	

RXD-553/553E/553-GR/553E-GR (X14-7110-10)

DESTINATION		UNIT
COUNTRY	ABB.	No.
PX	Y	0-10
GENERAL MARKET	M	
AUSTRALIA	X	
U.K.	T,T1	
EUROPE	E,E1	
GENERAL MARKET	M5	

RXD-A33/A53/A53-GR (4/4)
RXD-303/303E/353/353E (4/4)
RXD-503/503E (4/4)
RXD-553/553E/553-GR/553E-GR (4/4)
RXD-653/653E (4/4)

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

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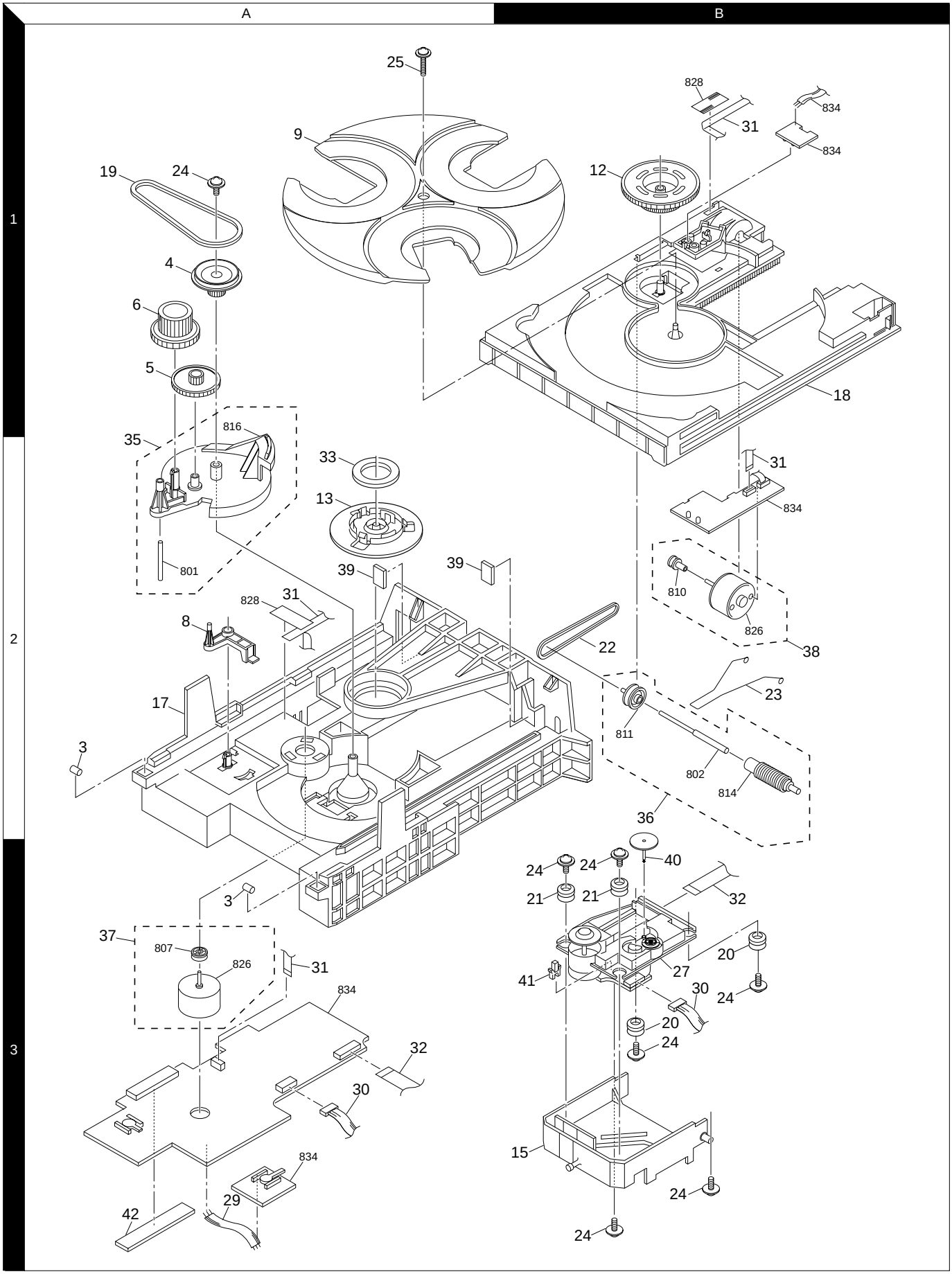
Y39-3420-10

RXD-303/353/503/553/653/A33/A53

KENWOOD

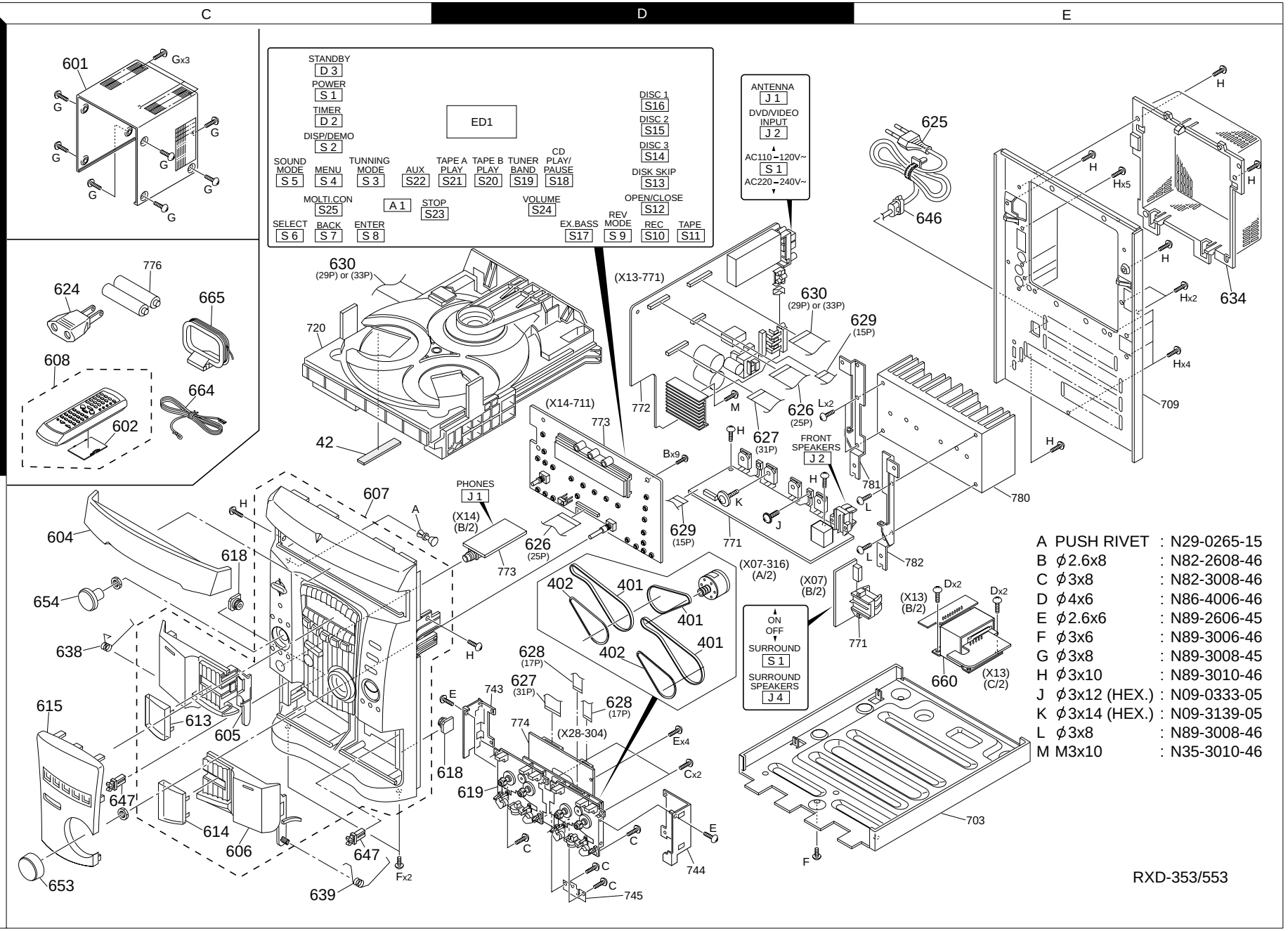
EXPLODED VIEW (MECHANISM)



Parts with exploded numbers larger than 700 are not supplied.

RXD-303/353/503/553/653/A33/A53

EXPLODED VIEW (UNIT)



Parts with exploded numbers larger than 700 are not supplied.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

❶

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
RXD-553/553E/553-GR/553E-GR/A53/A53-GR						
601	1C	✻	A01-3739-01	METALLIC CABINET		
602	1C		A09-1151-08	BATTERY COVER		
604	2C	✻	A29-1082-02	PANEL (CD)		
605	2C	✻	A53-2175-11	CASSETTE HOLDER (L)		
606	2C	✻	A53-2176-11	CASSETTE HOLDER (R)		
607	2C	✻	A60-1769-21	PANEL ASSY (RXD-A53)	KP	
607	2C	✻	A60-1771-21	PANEL ASSY (RXD-553/553E)	TEE1	
607	2C	✻	A60-1771-21	PANEL ASSY (RXD-553)	YMXM5	
607	2C	✻	A60-1840-21	PANEL ASSY (RXD-A53-GR)	K1P1	
607	2C	✻	A60-1841-21	PANEL ASSY (RXD-553/553E-GR)	T1EE1	
608	1C	✻	A70-1337-05	REMOTE CONTROLLER ASSY	KPK1P1	
608	1C	✻	A70-1337-05	REMOTE CONTROLLER ASSY	YMXM5	
608	1C	✻	A70-1338-05	REMOTE CONTROLLER ASSY	TT1EE1	
613	2C	✻	B10-3561-03	FRONT GLASS (L) (A53)	KP	
613	2C	✻	B10-3561-03	FRONT GLASS (L) (553/553E)	TEE1	
613	2C	✻	B10-3600-03	FRONT GLASS (L) (A53-GR)	K1P1	
613	2C	✻	B10-3600-03	FRONT GLASS (L) (553/553E-GR)	T1EE1	
614	2C	✻	B10-3562-03	FRONT GLASS (R) (A53)	KP	
614	2C	✻	B10-3562-03	FRONT GLASS (R) (553/553E)	TEE1	
614	2C	✻	B10-3601-03	FRONT GLASS (R) (A53-GR)	K1P1	
614	2C	✻	B10-3601-03	FRONT GLASS (R) (553/553E-GR)	T1EE1	
615	2C	✻	B10-3563-02	FRONT GLASS (A53)	KP	
615	2C	✻	B10-3564-02	FRONT GLASS (553)	YMXM5	
615	2C	✻	B10-3565-02	FRONT GLASS (553/553E)	TEE1	
615	2C	✻	B10-3602-02	FRONT GLASS (A53-GR)	K1P1	
615	2C	✻	B10-3603-02	FRONT GLASS (553/553E-GR)	T1EE1	
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	TT1EE1	
-			B46-0328-03	WARRANTY CARD	KK1Y	
-			B46-0347-03	WARRANTY CARD	PP1	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-1643-04	CAUTION CARD (CASSETTE EJEC)		
-			B59-1104-00	SERVICE DIRECTORY	Y	
-		✻	B60-4473-00	INSTRUCTION MANUAL (EN)	KPK1P1	
-		✻	B60-4473-00	INSTRUCTION MANUAL (EN)	TT1E1	
-		✻	B60-4473-00	INSTRUCTION MANUAL (EN)	YMXM5	
-		✻	B60-4474-00	INSTRUCTION MANUAL (FR)	EPP1	
-		✻	B60-4475-00	INSTRUCTION MANUAL (GE)	E	
-		✻	B60-4476-00	INSTRUCTION MANUAL (NE)	E	
-		✻	B60-4477-00	INSTRUCTION MANUAL (IT)	E	
-		✻	B60-4478-00	INSTRUCTION MANUAL (ES)	ME	
-		✻	B60-4478-00	INSTRUCTION MANUAL (ES)	M5	
-		✻	B60-4479-00	INSTRUCTION MANUAL (TC)	M	
-		✻	B60-4480-00	INSTRUCTION MANUAL (AR)	M	
-		✻	B60-4481-00	INSTRUCTION MANUAL (PL)	E1	
-		✻	B60-4702-00	INSTRUCTION MANUAL (HU)	E1	
-		✻	B60-4703-00	INSTRUCTION MANUAL (GZ)	E1	
-		✻	B60-4704-00	INSTRUCTION MANUAL (RU)	E1	
618	2C,2D		D39-0334-15	DAMPER		
619	2D	✻	D40-1661-15	CASSETTE MECHANISM ASSY		
⚠ 624	1C		E03-0115-05	AC PLUG ADAPTER	M	
⚠ 625	1E		E30-2605-05	AC POWER CORD	Y	

L : Scandinavia **K** : USA **P** : Canada **R** : Mexico **C** : China **I** : Malaysia
Y : PX(Far East,Hawaii) **T** : England **E** : Europe **G** : Germany **V** : China(Shanghai)
Y : AAFES(Europe) **X** : Australia **Q** : Russia **H** : Korea **M** : Other Areas ⚠ indicates safety critical components .

✻ New Parts
Parts without **Parts No.** are not supplied.
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Teile ohne **Parts No.** werden nicht geliefert.

❷

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ 625	1E		E30-2717-05	AC POWER CORD	X	
⚠ 625	1E		E30-2829-05	AC POWER CORD	TT1	
⚠ 625	1E	✻	E30-2939-05	AC POWER CORD	M5	
⚠ 625	1E	✻	E30-2941-05	AC POWER CORD	KPK1P1	
⚠ 625	1E	✻	E30-2942-05	AC POWER CORD	MEE1	
626	1D,2D	✻	E35-2470-15	FLAT CABLE (25P)		
627	1D,2D	✻	E35-2471-05	FLAT CABLE (31P)		
628	2D	✻	E35-2542-05	FLAT CABLE (17P)		
629	1E,2D	✻	E35-2543-05	FLAT CABLE (15P)		
630	1C,1D	✻	E35-2547-05	FLAT CABLE (29P)	KPK1P1	
630	1C,1D	✻	E35-2547-05	FLAT CABLE (29P)	YMXM5	
630	1C,1D	✻	E35-2598-05	FLAT CABLE (33P)	TT1EE1	
634	1E	✻	F07-1692-01	COVER		
638	2C	✻	G01-4170-04	TORSION COIL SPRING		
639	2C	✻	G01-4171-04	TORSION COIL SPRING		
-		✻	H10-7634-12	POLYSTYRENE FOAMED FIXTURE		
-		✻	H10-7635-12	POLYSTYRENE FOAMED FIXTURE		
-			H21-0373-03	PROTECTION SHEET		
-			H25-1536-04	PROTECTION BAG	KPK1P1	
-			H25-1536-04	PROTECTION BAG	TT1EE1	
-			H25-1536-04	PROTECTION BAG	YX	
-			H25-1642-04	PROTECTION BAG		
-			H25-1654-04	PROTECTION BAG	MM5	
-		✻	H50-3555-04	ITEM CARTON CASE(A53)	KP	
-		✻	H50-3556-04	ITEM CARTON CASE(553)	YX	
-		✻	H50-3557-04	ITEM CARTON CASE(553)	TE	
-		✻	H50-3558-04	ITEM CARTON CASE(553)	MM5	
-		✻	H50-3559-04	ITEM CARTON CASE(553E)	E1	
-		✻	H50-3717-04	ITEM CARTON CASE(A53-GR)	K1P1	
-		✻	H50-3718-04	ITEM CARTON CASE(553-GR)	T1E	
-		✻	H50-3719-04	ITEM CARTON CASE(553E-GR)	E1	
⚠ 646	1E		J42-0083-05	POWER CORD BUSHING		
647	2C		J52-0039-05	PUSH LATCH		
-			J61-0307-05	WIRE BAND		
653	2C	✻	K29-7721-04	KNOB		
654	2C	✻	K29-7722-04	KNOB		
⚠ 660	2E	✻	L07-2815-05	POWER TRANSFORMER	KPK1P1	
⚠ 660	2E	✻	L07-2816-05	POWER TRANSFORMER	YMM5	
⚠ 660	2E	✻	L07-2817-05	POWER TRANSFORMER	X	
⚠ 660	2E	✻	L07-2818-05	POWER TRANSFORMER	TT1EE1	
664	1C		T90-0836-05	LEAD WIRE ANTENNA		
665	1C		T90-0852-05	LOOP ANTENNA		
RXD-353/353E/A33						
601	1C	✻	A01-3739-01	METALLIC CABINET		
602	1C		A09-1151-08	BATTERY COVER		
604	2C	✻	A29-1082-02	PANEL (CD)		
605	2C	✻	A53-2175-11	CASSETTE HOLDER (L)		
606	2C	✻	A53-2176-11	CASSETTE HOLDER (R)		
607	2C	✻	A60-1769-21	PANEL ASSY (RXD-A33)	KP	
607	2C	✻	A60-1771-21	PANEL ASSY (RXD-353/353E)	TEE1H	

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❸

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
607	2C	✻	A60-1771-21	PANEL ASSY (RXD-353/353E)	YMXM5	
608	1C	✻	A70-1337-05	REMOTE CONTROLLER ASSY	KPY	
608	1C	✻	A70-1337-05	REMOTE CONTROLLER ASSY	MXM5	
608	1C	✻	A70-1338-05	REMOTE CONTROLLER ASSY	TEE1H	
613	2C	✻	B10-3561-03	FRONT GLASS (L)		
614	2C	✻	B10-3562-03	FRONT GLASS (R)		
615	2C	✻	B10-3593-02	FRONT GLASS (RXD-A33)	KP	
615	2C	✻	B10-3594-02	FRONT GLASS (RXD-353/353E)	YMXM5	
615	2C	✻	B10-3595-02	FRONT GLASS (RXD-353/353E)	TEE1H	
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	TEE1	
-			B46-0328-03	WARRANTY CARD	KY	
-			B46-0347-03	WARRANTY CARD	P	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-1643-04	CAUTION CARD (CASSETTE EJEC)		
-			B59-1104-00	SERVICE DIRECTORY	Y	
-		✻	B60-4473-00	INSTRUCTION MANUAL (EN)	EM5	
-		✻	B60-4473-00	INSTRUCTION MANUAL (EN)	KPY	
-		✻	B60-4473-00	INSTRUCTION MANUAL (EN)	MXT	
-		✻	B60-4474-00	INSTRUCTION MANUAL (FR)	PE	
-		✻	B60-4475-00	INSTRUCTION MANUAL (GE)	E	
-		✻	B60-4476-00	INSTRUCTION MANUAL (NE)	E	
-		✻	B60-4477-00	INSTRUCTION MANUAL (IT)	E	
-		✻	B60-4478-00	INSTRUCTION MANUAL (ES)	EMM5	
-		✻	B60-4479-00	INSTRUCTION MANUAL (TC)	M	
-		✻	B60-4480-00	INSTRUCTION MANUAL (AR)	M	
-		✻	B60-4481-00	INSTRUCTION MANUAL (PL)	E1	
-		✻	B60-4702-00	INSTRUCTION MANUAL (HU)	E1	
-		✻	B60-4703-00	INSTRUCTION MANUAL (GZ)	E1	
-		✻	B60-4704-00	INSTRUCTION MANUAL (RU)	E1	
618	2C,2D		D39-0334-15	DAMPER		
619	2D	✻	D40-1661-15	CASSETTE MECHANISM ASSY		
⚠ 624	1C		E03-0115-05	AC PLUG ADAPTER	M	
⚠ 625	1E		E30-2605-05	AC POWER CORD	Y	
⚠ 625	1E		E30-2717-05	AC POWER CORD	X	
⚠ 625	1E		E30-2829-05	AC POWER CORD	T	
⚠ 625	1E	✻	E30-2845-05	AC POWER CORD	H	
⚠ 625	1E	✻	E30-2939-05	AC POWER CORD	M5	
⚠ 625	1E	✻	E30-2941-05	AC POWER CORD	KP	
⚠ 625	1E	✻	E30-2942-05	AC POWER CORD	MEE1	
626	1D,2D	✻	E35-2470-15	FLAT CABLE (25P)		
627	1D,2D	✻	E35-2471-05	FLAT CABLE (31P)		
628	2D	✻	E35-2542-05	FLAT CABLE (17P)		
629	1E,2D	✻	E35-2543-05	FLAT CABLE (15P)		
630	1C,1D	✻	E35-2547-05	FLAT CABLE (29P)		
634	1E	✻	F07-1692-01	COVER		
638	2C	✻	G01-4170-04	TORSION COIL SPRING		
639	2C	✻	G01-4171-04	TORSION COIL SPRING		
-		✻	H10-7634-12	POLYSTYRENE FOAMED FIXTURE		
-		✻	H10-7635-12	POLYSTYRENE FOAMED FIXTURE		
-			H21-0373-03	PROTECTION SHEET		
-			H25-1536-04	PROTECTION BAG	KPYH	

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-			H25-1536-04	PROTECTION BAG	XTEE1	
-			H25-1642-04	PROTECTION BAG		
-			H25-1654-04	PROTECTION BAG	MM5H	
-		✻	H50-3703-04	ITEM CARTON CASE(RXD-A33)	KP	
-		✻	H50-3704-04	ITEM CARTON CASE(RXD-353)	YX	
-		✻	H50-3705-04	ITEM CARTON CASE(RXD-353)	TE	
-		✻	H50-3706-04	ITEM CARTON CASE(RXD-353)	MM5	
-		✻	H50-3707-04	ITEM CARTON CASE(RXD-353E)	E1	
⚠ 646	1E		J42-0083-05	POWER CORD BUSHING		
647	2C		J52-0039-05	PUSH LATCH		
-			J61-0307-05	WIRE BAND		
653	2C	✻	K29-7721-04	KNOB		
654	2C	✻	K29-7722-04	KNOB		
⚠ 660	2E	✻	L07-2837-05	POWER TRANSFORMER	KP	
⚠ 660	2E	✻	L07-2838-05	POWER TRANSFORMER	YMM5	
⚠ 660	2E	✻	L07-2839-05	POWER TRANSFORMER	X	
⚠ 660	2E	✻	L07-2840-05	POWER TRANSFORMER	TEE1H	
664	1C		T90-0836-05	LEAD WIRE ANTENNA		
665	1C		T90-0852-05	LOOP ANTENNA		
RXD-303/303E/503/503E/653/653E						
601	1C	✻	A01-3739-01	METALLIC CABINET(653/653E)	TEE1X	
601	1C	✻	A01-3753-01	METALLIC CABINET(303/303E)	KEE1	
601	1C	✻	A01-3753-01	METALLIC CABINET(503)	KPE	
601	1C	✻	A01-3753-01	METALLIC CABINET(503E)	E1	
602	1C		A09-1151-08	BATTERY COVER		
604	2C	✻	A29-1082-02	PANEL (CD) (653/653E)	TEE1X	
604	2C	✻	A29-1096-02	PANEL (CD) (503)	KPE	
604	2C	✻	A29-1096-02	PANEL (CD) (303/303E)	KEE1	
604	2C	✻	A29-1096-02	PANEL (CD) (503E)	E1	
605	2C	✻	A53-2175-11	CASSETTE HOLDER (L)(653/653E)	TEE1X	
605	2C	✻	A53-2192-11	CASSETTE HOLDER (L)(303/303E)	KEE1	
605	2C	✻	A53-2192-11	CASSETTE HOLDER (L)(503)	KPE	
605	2C	✻	A53-2192-11	CASSETTE HOLDER (L)(503E)	E1	
606	2C	✻	A53-2176-11	CASSETTE HOLDER (R)(653/653E)	TEE1X	
606	2C	✻	A53-2193-11	CASSETTE HOLDER (R)(303/303E)	KEE1	
606	2C	✻	A53-2193-11	CASSETTE HOLDER (R)(503)	KPE	
606	2C	✻	A53-2193-11	CASSETTE HOLDER (R)(503E)	E1	
607	2C	✻	A60-1829-21	PANEL ASSY (503/303)	KP	
607	2C	✻	A60-1831-21	PANEL ASSY (503/503E)	EE1	
607	2C	✻	A60-1842-21	PANEL ASSY (653/653E)	TEE1X	
608	1C	✻	A70-1337-05	REMOTE CONTROLLER ASSY	KPX	
608	1C	✻	A70-1338-05	REMOTE CONTROLLER ASSY	TEE1	
613	2C	✻	B10-3586-03	FRONT GLASS (L)		
614	2C	✻	B10-3587-03	FRONT GLASS (R)		
615	2C	✻	B10-3588-02	FRONT GLASS (503)	KP	
615	2C	✻	B10-3589-02	FRONT GLASS (503/503E)	EE1	
615	2C	✻	B10-3590-02	FRONT GLASS (303/303E)	EE1	
615	2C	✻	B10-3599-02	FRONT GLASS (303)	K	
615	2C	✻	B10-3604-02	FRONT GLASS (653/653E)	TEE1	
615	2C	✻	B10-3619-02	FRONT GLASS (653)	X	
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	TEE1	

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-			B46-0328-03	WARRANTY CARD	K	
-			B46-0347-03	WARRANTY CARD	P	
-			B58-1643-04	CAUTION CARD (CASSETTE EJEC)		
-		✻	B60-4473-00	INSTRUCTION MANUAL (EN)	KPTE1X	
-		✻	B60-4474-00	INSTRUCTION MANUAL (FR)	PE	
-		✻	B60-4475-00	INSTRUCTION MANUAL (GE)	E	
-		✻	B60-4476-00	INSTRUCTION MANUAL (NE)	E	
-		✻	B60-4477-00	INSTRUCTION MANUAL (IT)	E	
-		✻	B60-4478-00	INSTRUCTION MANUAL (ES)	E	
-		✻	B60-4481-00	INSTRUCTION MANUAL (PL)	E1	
-		✻	B60-4702-00	INSTRUCTION MANUAL (HU)	E1	
-		✻	B60-4703-00	INSTRUCTION MANUAL (GZ)	E1	
-		✻	B60-4704-00	INSTRUCTION MANUAL (RU)	E1	
618	2C,2D		D39-0334-15	DAMPER		
619	2D	✻	D40-1661-15	CASSETTE MECHANISM ASSY		
⚠ 625	1E	✻	E30-2717-05	AC POWER CORD	X	
⚠ 625	1E		E30-2829-05	AC POWER CORD	T	
⚠ 625	1E	✻	E30-2941-05	AC POWER CORD	KP	
⚠ 625	1E	✻	E30-2942-05	AC POWER CORD	EE1	
626	1D,2D	✻	E35-2470-15	FLAT CABLE (25P)		
627	1D,2D	✻	E35-2471-05	FLAT CABLE (31P)		
628	2D	✻	E35-2542-05	FLAT CABLE (17P)		
629	1E,2D	✻	E35-2543-05	FLAT CABLE (15P)		
630	1C,1D	✻	E35-2547-05	FLAT CABLE (29P) (303/303E)	EE1	
630	1C,1D	✻	E35-2547-05	FLAT CABLE (29P) (503/303)	KP	
630	1C,1D	✻	E35-2547-05	FLAT CABLE (29P) (653/653E)	TX	
630	1C,1D	✻	E35-2598-05	FLAT CABLE (33P) (503/503E)	EE1	
630	1C,1D	✻	E35-2598-05	FLAT CABLE (33P) (653/653E)	EE1	
634	1E	✻	F07-1692-01	COVER		
638	2C	✻	G01-4170-04	TORSION COIL SPRING		
639	2C	✻	G01-4171-04	TORSION COIL SPRING		
-		✻	H10-7634-12	POLYSTYRENE FOAMED FIXTURE		
-		✻	H10-7635-12	POLYSTYRENE FOAMED FIXTURE		
-			H21-0373-03	PROTECTION SHEET		
-			H25-1536-04	PROTECTION BAG		
-			H25-1642-04	PROTECTION BAG		
-		✻	H50-3720-04	ITEM CARTON CASE(503)	KP	
-		✻	H50-3721-04	ITEM CARTON CASE(503)	E	
-		✻	H50-3722-04	ITEM CARTON CASE(503E)	E1	
-		✻	H50-3723-04	ITEM CARTON CASE(303)	K	
-		✻	H50-3724-04	ITEM CARTON CASE(303)	E	
-		✻	H50-3725-04	ITEM CARTON CASE(303E)	E1	
-		✻	H50-3726-04	ITEM CARTON CASE(653)	TE	
-		✻	H50-3727-04	ITEM CARTON CASE(653E)	E1	
-		✻	H50-3860-04	ITEM CARTON CASE(653)	X	
⚠ 646	1E		J42-0083-05	POWER CORD BUSHING		
647	2C		J52-0039-05	PUSH LATCH		
-			J61-0307-05	WIRE BAND		
653	2C	✻	K29-7721-04	KNOB (653/653E)	TEE1X	
653	2C	✻	K29-7778-04	KNOB (503/303)	KP	
653	2C	✻	K29-7778-04	KNOB (303/303E)	EE1	
653	2C	✻	K29-7778-04	KNOB (503/503E)	EE1	

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654	2C	✻	K29-7722-04	KNOB (653/653E)	TEE1X	
654	2C	✻	K29-7779-04	KNOB (503/303)	KP	
654	2C	✻	K29-7779-04	KNOB (303/303E)	EE1	
654	2C	✻	K29-7779-04	KNOB (503/503E)	EE1	
⚠ 660	2E	✻	L07-2815-05	POWER TRANSFORMER(503)	KP	
⚠ 660	2E	✻	L07-2817-05	POWER TRANSFORMER(653)	X	
⚠ 660	2E	✻	L07-2818-05	POWER TRANSFORMER(503/503E)	EE1	
⚠ 660	2E	✻	L07-2818-05	POWER TRANSFORMER(653/653E)	TEE1	
⚠ 660	2E	✻	L07-2837-05	POWER TRANSFORMER(303)	K	
⚠ 660	2E	✻	L07-2840-05	POWER TRANSFORMER(303/303E)	EE1	
664	1C		T90-0836-05	LEAD WIRE ANTENNA		
665	1C		T90-0852-05	LOOP ANTENNA		

POWER AMPLIFIER UNIT (X07-316X-XX)

C1 ,2			CE04KW1HR22M	ELECTRO	0.22UF	50WV		
C3 ,4			CK45FB1H471K	CERAMIC	470PF	K		
C5			CC45FCH1H560J	CERAMIC	56PF	J		
C8		✻	CE04PW1HR47M	ALUMINUM ELECTROLYTIC C.				
C9 ,10			CC45FSL1H331J	CERAMIC	330PF	J		
C11			CC45FSL2H101J	CERAMIC	100PF	J		
C12			CC45FCH1H101J	CERAMIC	100PF	J		
C13 ,14			CE04KW1V100M	ELECTRO	10UF	35WV		
C15 ,16			CC45FCH1H070D	CERAMIC	7.0PF	D		23457
C15 ,16			CC45FCH1H070D	CERAMIC	7.0PF	D	EE1	1
C15 ,16			CC45FSL1H030C	CERAMIC	3.0PF	C	KPK1P1	16
C17			CC45FCH1H101J	CERAMIC	100PF	J		
C18			CE04LW2A100M	ELECTRO	10UF	100WV		
C19 ,20			CC45FSL2H221J	CERAMIC	220PF	J		
C21			CE04LW1C330M	ELECTRO	33UF	16WV		
C25 ,26			CC45FSL2H470J	CERAMIC	47PF	J		
C29 ,30			CE04KW1H101M	ELECTRO	100UF	50WV		
C33 ,34			CK45FF1H223Z	CERAMIC	0.022UF	Z		23457
C33 ,34			CK45FF1H223Z	CERAMIC	0.022UF	Z	EE1	1
C33 ,34			CK45FF1H333Z	CERAMIC	0.033UF	Z	KPK1P1	16
C35 ,36			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C41 ,42			CF92FV1H224J	MF-C	0.22UF	J	TT1EE1	
C41 ,42			CF92FV1H224J	MF-C	0.22UF	J	YMXM5H	
C41 ,42			C91-1577-05	MP-C	0.22UF	J	TT1EE1	
C41 ,42			C91-1577-05	MP-C	0.22UF	J	YMXM5H	
C43 ,44			CF92FV1H104J	MF-C	0.10UF	J	KPK1P1	
C43 ,44			CF92FV1H224J	MF-C	0.22UF	J	TT1EE1	
C43 ,44			CF92FV1H224J	MF-C	0.22UF	J	YMXM5H	
C43 ,44			C91-1573-05	MP-C	0.10UF	J	KPK1P1	
C43 ,44			C91-1577-05	MP-C	0.22UF	J	TT1EE1	
C43 ,44			C91-1577-05	MP-C	0.22UF	J	YMXM5H	
C51		✻	CE04PW1A101M	ALUMINUM ELECTROLYTIC C.				
C61 ,62			CK45FF1H472Z	CERAMIC	4700PF	Z		
C72			CE04KW1J470M	ELECTRO	47UF	63WV		23457
C72			CE04KW1J470M	ELECTRO	47UF	63WV	EE1	1
C72			CE04KW2A220M	ELECTRO	22UF	100WV	KPK1P1	16
C81			CE04KW1C100M	ELECTRO	10UF	16WV		
C82			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C83			CE04KW1C100M	ELECTRO	10UF	16WV		
C84			CE04LW1H4R7M	ELECTRO	4.7UF	50WV		

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C85 ,86			CC45FCH1H100D	CERAMIC	10PF		D	KPK1P1	16
CN1		✻	E40-8501-05	FLAT CABLE CONNECTOR					
CN2		✻	E40-8614-05	PIN ASSY					
CN3			E40-0412-05	PIN ASSY				KPK1P1	16
J2	1D	✻	E70-0124-05	LOCK TERMINAL BOARD					
J4	2D	✻	E70-0123-05	LOCK TERMINAL BOARD				TT1EE1	
J4		✻	E70-0123-05	LOCK TERMINAL BOARD				YMXM5H	
R25 ,26			RD14BB2C471J	RD	470	J	1/6W	KPK1P1	16
R25 ,26			RD14BB2C681J	RD	680	J	1/6W		23457
R25 ,26			RD14BB2C681J	RD	680	J	1/6W	EE1	1
R39 ,40			RD14BB2C122J	RD	1.2K	J	1/6W		23457
R39 ,40			RD14BB2C122J	RD	1.2K	J	1/6W	EE1	1
R41 -44			RD14NB2E220J	RD	22	J	1/4W		
R45 -48			RS14KB3DR22J	FL-PROOF RS	0.22	J	2W		23457
R45 -48			RS14KB3DR22J	FL-PROOF RS	0.22	J	2W	EE1	1
R45 -48			RS14KB3DR47J	FL-PROOF RS	0.47	J	2W	KPK1P1	16
R49 ,50			RD14BB2C102J	RD	1.0K	J	1/6W	KPK1P1	16
R49 ,50			RD14BB2C473J	RD	47K	J	1/6W		23457
R49 ,50			RD14BB2C473J	RD	47K	J	1/6W	EE1	1
R51 -54			RS14KB3DR47J	FL-PROOF RS	0.47	J	2W	KPK1P1	16
R55 ,56			RD14BB2C102J	RD	1.0K	J	1/6W	KPK1P1	16
R55 ,56			RD14BB2C122J	RD	1.2K	J	1/6W		347
R55 ,56			RD14BB2C122J	RD	1.2K	J	1/6W	EE1	1
R55 ,56			RD14BB2C122J	RD	1.2K	J	1/6W	K	2
R55 ,56			RD14BB2C132J	RD	1.3K	J	1/6W		5
R55 ,56			RD14BB2C132J	RD	1.3K	J	1/6W	EE1	2
R71 ,72			RD14NB2E100J	RD	10	J	1/4W		
R93			RD14BB2C392J	RD	3.9K	J	1/6W	KPK1P1	16
R93			RD14BB2C432J	RD	4.3K	J	1/6W		347
R93			RD14BB2C432J	RD	4.3K	J	1/6W	EE1	1
R93			RD14BB2C432J	RD	4.3K	J	1/6W	K	2
R93			RD14BB2C512J	RD	5.1K	J	1/6W		5
R93			RD14BB2C512J	RD	5.1K	J	1/6W	EE1	2
⚠ R104,105			RS14KB3A332J	FL-PROOF RS	3.3K	J	1W	KPK1P1	16
⚠ R106			RS14KB3D122J	FL-PROOF RS	1.2K	J	2W		23457
⚠ R106			RS14KB3D122J	FL-PROOF RS	1.2K	J	2W	EE1	1
⚠ R112			RD14NB2E151J	RD	150	J	1/4W		
⚠ R127			RS14KB3D392J	FL-PROOF RS	3.9K	J	2W		
R128			RD14NB2E101J	RD	100	J	1/4W		
R131,132			RS14KB3D331J	FL-PROOF RS	330	J	2W		
VR1 ,2			R12-0097-05	TRIMMING POT.(330 RIGHT)				KPK1P1	16
K1		✻	S76-0098-05	MAGNETIC RELAY					
S1	2D		S62-0077-05	SLIDE SWITCH				TT1EE1	
S1	2D		S62-0077-05	SLIDE SWITCH				YMXM5H	
D1 ,2			HSS104A	DIODE					
D1 ,2			1SS133	DIODE					
D3 ,4			HZS18N(B2)	ZENER DIODE					5
D3 ,4			HZS18N(B2)	ZENER DIODE				EE1	2
D3 ,4			HZS18N(B2)	ZENER DIODE				KPK1P1	16
D3 ,4			HZS20N(B2)	ZENER DIODE					347
D3 ,4			HZS20N(B2)	ZENER DIODE				EE1	1
D3 ,4			HZS20N(B2)	ZENER DIODE				K	2
D3 ,4			MTZJ18(B)	ZENER DIODE				EE1	2

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D3 ,4			MTZJ18(B)	ZENER DIODE	KP	5
D3 ,4			MTZJ18(B)	ZENER DIODE	KPK1P1	16
D3 ,4			MTZJ20(B)	ZENER DIODE		347
D3 ,4			MTZJ20(B)	ZENER DIODE	EE1	1
D3 ,4			MTZJ20(B)	ZENER DIODE	K	2
D5 ,6			HSS104A	DIODE	TT1EE1	
D5 ,6			HSS104A	DIODE	YMXM5H	
D5 ,6			1SS133	DIODE	TT1EE1	
D5 ,6			1SS133	DIODE	YMXM5H	
D7 ,8			HZS13N(B2)	ZENER DIODE		5
D7 ,8			HZS13N(B2)	ZENER DIODE	EE1	2
D7 ,8			HZS16N(B2)	ZENER DIODE		347
D7 ,8			HZS16N(B2)	ZENER DIODE	EE1	1
D7 ,8			HZS16N(B2)	ZENER DIODE	K	2
D7 ,8			HZS24N(B2)	ZENER DIODE	KPK1P1	16
D7 ,8			MTZJ13(B)	ZENER DIODE		5
D7 ,8			MTZJ13(B)	ZENER DIODE	EE1	2
D7 ,8			MTZJ16(B)	ZENER DIODE		347
D7 ,8			MTZJ16(B)	ZENER DIODE	EE1	1
D7 ,8			MTZJ16(B)	ZENER DIODE	K	2
D7 ,8			MTZJ24(B)	ZENER DIODE	KPK1P1	16
D9 ,10			HSS104A	DIODE		
D9 ,10			1SS133	DIODE		
D11 ,12			1SS244	DIODE		
D13 -16			HSS104A	DIODE		
D13 -16			1SS133	DIODE		
D21			HZS5.1N(B2)	ZENER DIODE		
D21			MTZJ5.1(B)	ZENER DIODE		
D30			HZS13N(B2)	ZENER DIODE		
D30			MTZJ13(B)	ZENER DIODE		
D31			HSS104A	DIODE		
D31			1SS133	DIODE		
D32			HZS10N(B2)	ZENER DIODE		
D32			MTZJ10(B)	ZENER DIODE		
D33			HSS104A	DIODE		
D33			1SS133	DIODE		
Q1 ,2			2SC2878(B)	TRANSISTOR		
Q3 ,4			2SD2144S(U,V)	TRANSISTOR		
Q5 -8			2SA992(F,E)	TRANSISTOR		
Q9 ,10			2SC1845(F,E)	TRANSISTOR		23457
Q9 ,10			2SC1845(F,E)	TRANSISTOR	EE1	1
Q9 ,10			2SC2631(R,S)	TRANSISTOR	KPK1P1	16
Q11 ,12			2SC4137F50(V,W)	TRANSISTOR		
⚠ Q13 ,14			2SD2493A	TRANSISTOR		23457
⚠ Q13 ,14			2SD2493A	TRANSISTOR	EE1	1
⚠ Q13 ,14		✻	2SD2560	TRANSISTOR	KPK1P1	16
⚠ Q15 ,16			2SB1624A	TRANSISTOR		23457
⚠ Q15 ,16			2SB1624A	TRANSISTOR	EE1	1
⚠ Q15 ,16		✻	2SB1647	TRANSISTOR	KPK1P1	16
Q17 ,18			2SC1845(F,E)	TRANSISTOR		
Q19 -21			2SA992(F,E)	TRANSISTOR		
Q22 ,23			2SC1845(F,E)	TRANSISTOR		
Q24			KTC3199(Y,GR)	TRANSISTOR		
Q31			2SC1845(F,E)	TRANSISTOR		
⚠ Q42			2SA954(L,K)	TRANSISTOR		

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Q43			2SC1845(F,E)	TRANSISTOR				
⚠ Q44			2SC2003(L,K)	TRANSISTOR				
SUB-CIRCUIT UNIT (X13-771X-XX)								
C1 ,2			CC73GCH1H221J	CHIP C	220PF	J		
C3 -6			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C7 ,8			CE04KW1H100M	ELECTRO	10UF	50WV		
C9 ,10			CC73GCH1H101J	CHIP C	100PF	J		
C11 ,12			CE04LW1H100M	ELECTRO	10UF	50WV		
C13 ,14			CK73FB1C224K	CHIP C	0.22UF	K	KPK1P1	
C13 ,14			CK73FB1C224K	CHIP C	0.22UF	K	YMXM5	
C15 -18			CK73GB1C104K	CHIP C	0.10UF	K		
C19 ,20			CK73GB1H822K	CHIP C	8200PF	K		
C21 ,22			CK73GB1H682K	CHIP C	6800PF	K		1367
C21 ,22			CK73GB1H822K	CHIP C	8200PF	K		245
C23 ,24			CK73GB1H562K	CHIP C	5600PF	K		
C25 -28			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		1367
C25 -28			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		245
C29 ,30			CC73GCH1H101J	CHIP C	100PF	J		
C31			CE04KW1C470M	ELECTRO	47UF	16WV		
C32			CE04LW1H100M	ELECTRO	10UF	50WV		
C33			CK73FB1E823K	CHIP C	0.082UF	K		
C34			CE04KW1C470M	ELECTRO	47UF	16WV		
C35 ,36			CC73GCH1H101J	CHIP C	100PF	J		
C37 -39			CK45FE2H103P	CERAMIC	0.010UF	P		
C40			C91-1422-05	MP	0.10UF	250WV		
C41			CK73GB1C473K	CHIP C	0.047UF	K		
C42			CE04LW1E470M	ELECTRO	47UF	25WV		
C43 ,44			CQ93FMG1H562J	MYLAR	5600PF	J		
C45 -48			CQ93FMG1H152J	MYLAR	1500PF	J		
C49 ,50			CK73GB1H103K	CHIP C	0.010UF	K		
C51		✻	CE04PW1H2R2M	ALUMINUM ELECTROLYTIC C.			H	
C51		✻	CE04PW1H2R2M	ALUMINUM ELECTROLYTIC C.			TT1EE1	
C52			CC73GCH1H271J	CHIP C	270PF	J	H	
C52			CC73GCH1H271J	CHIP C	270PF	J	TT1EE1	
C53			CK73GB1H103K	CHIP C	0.010UF	K	H	
C53			CK73GB1H103K	CHIP C	0.010UF	K	TT1EE1	
C54 ,55			CC73GCH1H270J	CHIP C	27PF	J	H	
C54 ,55			CC73GCH1H270J	CHIP C	27PF	J	TT1EE1	
C56			CK73GB1H103K	CHIP C	0.010UF	K	H	
C56			CK73GB1H103K	CHIP C	0.010UF	K	TT1EE1	
C57			CE04LW1E470M	ELECTRO	47UF	25WV	H	
C57			CE04LW1E470M	ELECTRO	47UF	25WV	TT1EE1	
C58			CK73FB1H561K	CHIP C	560PF	K	H	
C58			CK73FB1H561K	CHIP C	560PF	K	TT1EE1	
C59			CC73GCH1H470J	CHIP C	47PF	J	H	
C59			CC73GCH1H470J	CHIP C	47PF	J	TT1EE1	
C60			CK73FF1C105Z	CHIP C	1.0UF	Z		
C61 ,62			CC73GCH1H101J	CHIP C	100PF	J		
C63			CF92FV1H105J	MF-C	1.0UF	J	TT1EE1	
C63			CF92FV1H105J	MF-C	1.0UF	J	YMXM5H	
C64 -68			CC73GCH1H101J	CHIP C	100PF	J		
C69 ,70			CC73GCH1H470J	CHIP C	47PF	J		
C101			CE04LW1C332M	ELECTRO	3300UF	16WV	TT1EE1	
C101			CE04LW1C332M	ELECTRO	3300UF	16WV	YMXM5H	

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C101			CE04LW1E332M	ELECTRO	3300UF	25WV	KPK1P1	
C102,103			CK73FB1H103K	CHIP C	0.010UF	K		
C104		✻	CE04PW1H100M	ALUMINUM ELECTROLYTIC C.				
C105			CQ93FMG1H104J	MYLAR	0.10UF	J	KPK1P1	
C105			CQ93FMG1H393J	MYLAR	0.039UF	J	TT1EE1	
C105			CQ93FMG1H393J	MYLAR	0.039UF	J	XH	
C105			CQ93FMG1H563J	MYLAR	0.056UF	J	YMM5	
C106			CK73FB1H103K	CHIP C	0.010UF	K		
C107			CC73GCH1H470J	CHIP C	47PF	J		
C108		✻	CE04PW1A101M	ALUMINUM ELECTROLYTIC C.				
C109			CE04LW0J102M	ELECTRO	1000UF	6.3WV		
C112,113			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C114,115			CK73FF1C105Z	CHIP C	1.0UF	Z		
C116			CK73GB1H472K	CHIP C	4700PF	K		
C150			CK73GB1H103K	CHIP C	0.010UF	K	TT1EE1	137
C151,152		✻	C90-3898-05	ALMINIUM ELECTROLYTIC C.			KPK1P1	16
C151,152		✻	C90-3899-05	ALMINIUM ELECTROLYTIC C.				5
C151,152		✻	C90-3899-05	ALMINIUM ELECTROLYTIC C.			EE1	2
C151,152		✻	C90-3900-05	ALMINIUM ELECTROLYTIC C.			K	2
C151,152		✻	C90-3900-05	ALMINIUM ELECTROLYTIC C.			KP	4
C151,152		✻	C90-3901-05	ALMINIUM ELECTROLYTIC C.			TT1EE1	137
C151,152		✻	C90-3901-05	ALMINIUM ELECTROLYTIC C.			X	37
C151,152		✻	C90-3901-05	ALMINIUM ELECTROLYTIC C.			YMM5	7
C153			CE04LW1E332M	ELECTRO	3300UF	25WV		
C154-160			CE04LW1E470M	ELECTRO	47UF	25WV		
C161			CE04LW1J221M	ELECTRO	220UF	63WV		
C162,163		✻	CE04PW1H470M	ALUMINUM ELECTROLYTIC C.				
C164			CK73GB1C104K	CHIP C	0.10UF	K		
C165			CK45FE2H103P	CERAMIC	0.010UF	P		
C166			CK73FB1H102K	CHIP C	1000PF	K		
C167,168			CK73GB1C104K	CHIP C	0.10UF	K		
C201			CK73GB1C104K	CHIP C	0.10UF	K		
C202			CC73GCH1H180J	CHIP C	18PF	J		
C203			CC73GCH1H220J	CHIP C	22PF	J		
C204			CK73GB1C104K	CHIP C	0.10UF	K		
C205			CK73GB1H103K	CHIP C	0.010UF	K		
C206			CK73GB1C104K	CHIP C	0.10UF	K		
C207			CE04LW1H220M	ELECTRO	22UF	50WV		
C208			CK73GB1H103K	CHIP C	0.010UF	K		
C209			CK73GB1H102K	CHIP C	1000PF	K		
C210-212			CK73GB1H103K	CHIP C	0.010UF	K		
C213			CK73GB1C104K	CHIP C	0.10UF	K		
C214		✻	CE04PW1H100M	ALUMINUM ELECTROLYTIC C.				
C215,216			CK73GB1H103K	CHIP C	0.010UF	K		
C217			CC73GCH1H221J	CHIP C	220PF	J	KPK1P1	
C217			CC73GCH1H221J	CHIP C	220PF	J	YMXM5	
C217			CK73GB1H471K	CHIP C	470PF	K	TT1H	
C218-223			CC73GCH1H221J	CHIP C	220PF	J		
C224			CK73GB1H103K	CHIP C	0.010UF	K		
C225		✻	CE04PW1H4R7M	ALUMINUM ELECTROLYTIC C.				
C226-228			CC73GCH1H221J	CHIP C	220PF	J		
CN1		✻	E40-8489-05	FLAT CABLE CONNECTOR				
CN2		✻	E40-8490-05	FLAT CABLE CONNECTOR			TT1EE1	137
CN3		✻	E40-8486-05	FLAT CABLE CONNECTOR				

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CN4		✻	E40-8481-05	FLAT CABLE CONNECTOR		
CN5			E40-4245-05	PIN ASSY		
CN21		✻	E40-8488-05	FLAT CABLE CONNECTOR	KPK1P1	
CN21		✻	E40-8488-05	FLAT CABLE CONNECTOR	TT1EE1	25
CN21		✻	E40-8488-05	FLAT CABLE CONNECTOR	YMXM5H	
J1	1D		E70-0052-05	LOCK TERMINAL BOARD		
J2	1D		E63-0095-05	PIN JACK		
P1	1D		E23-1785-04	TERMINAL		
⚠ F1			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	EE1	2
⚠ F1			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	XTEE1H	5
⚠ F1			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	YMM5	7
⚠ F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	TT1EE1	137
⚠ F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	X	37
⚠ F1			F06-2021-05	FUSE (SEMKO) (250V T2AL)	YMXM5	5
⚠ F1			F50-0076-05	FUSE(5X20)	KPK1P1	
⚠ F2			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	YMM5	7
⚠ F2			F06-2021-05	FUSE (SEMKO) (250V T2AL)	YMXM5	5
⚠ F3			F06-2021-05	FUSE (SEMKO) (250V T2AL)		5
⚠ F3			F06-2021-05	FUSE (SEMKO) (250V T2AL)	TT1EE1	
⚠ F3			F06-2021-05	FUSE (SEMKO) (250V T2AL)	YMXM5	
⚠ F3			F50-0070-05	FUSE(5X20)	KPK1P1	
CN11,12			J13-0075-05	FUSE CLIP		
CN13,14			J13-0075-05	FUSE CLIP	YMM5	
CN15,16			J13-0075-05	FUSE CLIP		
⚠ T1			L07-2758-05	POWER TRANSFORMER	TT1EE1	
⚠ T1			L07-2758-05	POWER TRANSFORMER	XH	
⚠ T1			L07-2761-05	POWER TRANSFORMER	KPK1P1	
⚠ T1		✻	L07-2805-05	POWER TRANSFORMER	YMM5	
X1			L78-0294-05	RESONATOR (10.000M)		
X2			L77-2173-05	CRYSTAL RESONATOR(32.768KHZ)		
X3			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)	H	
X3			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)	TT1EE1	
R1 ,2			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R3 ,4			RK73GB1J153J	CHIP R 15K J 1/16W		
R5 ,6			RK73GB1J474J	CHIP R 470K J 1/16W		
R7 -10			RK73GB1J752J	CHIP R 7.5K J 1/16W		
R11			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R12 ,13			RK73GB1J221J	CHIP R 220 J 1/16W		
⚠ R14			RD14NB2E100J	RD 10 J 1/4W		
R15 -20			RK73GB1J222J	CHIP R 2.2K J 1/16W		
⚠ R21			RS14KB3D472J	FL-PROOF RS 4.7K J 2W		245
⚠ R21			RS14KB3D562J	FL-PROOF RS 5.6K J 2W		1367
R22			RK73GB1J100J	CHIP R 10 J 1/16W		
R23 ,24			RK73GB1J103J	CHIP R 10K J 1/16W		5
R23 ,24			RK73GB1J103J	CHIP R 10K J 1/16W	K	2
R23 ,24			RK73GB1J103J	CHIP R 10K J 1/16W	YMXM5	4
R23 ,24			RK73GB1J682J	CHIP R 6.8K J 1/16W	KP	16
R23 ,24			RK73GB1J682J	CHIP R 6.8K J 1/16W	X	37
R23 ,24			RK73GB1J682J	CHIP R 6.8K J 1/16W	YMM5	7
R25 ,26			RK73GB1J153J	CHIP R 15K J 1/16W		
R51			RK73GB1J101J	CHIP R 100 J 1/16W	H	
R51			RK73GB1J101J	CHIP R 100 J 1/16W	TT1EE1	

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R52			RK73GB1J473J	CHIP R 47K J 1/16W	H	
R52			RK73GB1J473J	CHIP R 47K J 1/16W	TT1EE1	
R53			RK73GB1J101J	CHIP R 100 J 1/16W	H	
R53			RK73GB1J101J	CHIP R 100 J 1/16W	TT1EE1	
R54			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R55			RK73GB1J103J	CHIP R 10K J 1/16W		
R56			RK73GB1J101J	CHIP R 100 J 1/16W		
R57 ,58			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R59			RD14NB2E4R7J	RD 4.7 J 1/4W	H	
R59			RD14NB2E4R7J	RD 4.7 J 1/4W	TT1EE1	
⚠ R61			RS14KB3D472J	FL-PROOF RS 4.7K J 2W		245
⚠ R61			RS14KB3D562J	FL-PROOF RS 5.6K J 2W		1367
R102			RK73FB2A563J	CHIP R 56K J 1/10W	KPK1P1	
R102			RK73FB2A623J	CHIP R 62K J 1/10W	TT1EE1	
R102			RK73FB2A623J	CHIP R 62K J 1/10W	YMXM5H	
R103			RS14KB3D271J	FL-PROOF RS 270 J 2W	KPK1P1	
R103			RS14KB3D271J	FL-PROOF RS 270 J 2W	YMM5	
R105			RK73FB2A223J	CHIP R 22K J 1/10W		
R106			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R107			RK73GB1J103J	CHIP R 10K J 1/16W		
R108			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R111			RK73GB1J103J	CHIP R 10K J 1/16W		
R112			RK73GB1J101J	CHIP R 100 J 1/16W		
R113			RK73GB1J104J	CHIP R 100K J 1/16W		
R114			RK73GB1J102J	CHIP R 1.0K J 1/16W		
⚠ R115			R92-1844-05	CARBON 3.3M J 1/2W	KPK1P1	
R116			RK73GB1J103J	CHIP R 10K J 1/16W		
R117			RS14KB3D331J	FL-PROOF RS 330 J 2W	KPK1P1	
R117			RS14KB3D331J	FL-PROOF RS 330 J 2W	YMM5	
⚠ R150			RS14KB3D121J	FL-PROOF RS 120 J 2W		
⚠ R161			RD14NB2E4R7J	RD 4.7 J 1/4W		
R162			RD14NB2E392J	RD 3.9K J 1/4W		
R163			RK73FB2A473J	CHIP R 47K J 1/10W		
R165,166			RK73FB2A473J	CHIP R 47K J 1/10W		
R167,168			RK73FB2A123J	CHIP R 12K J 1/10W		
R172			RK73FB2A912J	CHIP R 9.1K J 1/10W		
R173			RK73FB2A622J	CHIP R 6.2K J 1/10W		
R200			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R201			RK73GB1J221J	CHIP R 220 J 1/16W		
R202			RK73GB1J103J	CHIP R 10K J 1/16W		
R203-207			RK73GB1J221J	CHIP R 220 J 1/16W		
R208			RK73FB2A475J	CHIP R 4.7M J 1/10W		
R209			RK73GB1J104J	CHIP R 100K J 1/16W		
R210			RS14KB3D121J	FL-PROOF RS 120 J 2W		
R211-213			RK73GB1J221J	CHIP R 220 J 1/16W		
R214			RK73GB1J103J	CHIP R 10K J 1/16W		
R215-223			RK73GB1J221J	CHIP R 220 J 1/16W		
R228-231			RK73GB1J221J	CHIP R 220 J 1/16W		
R233-236			RK73GB1J221J	CHIP R 220 J 1/16W		
R240-243			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R244			RK73GB1J221J	CHIP R 220 J 1/16W		
R245			RK73GB1J473J	CHIP R 47K J 1/16W		
R246-249			RK73GB1J221J	CHIP R 220 J 1/16W		
R250			RK73GB1J133J	CHIP R 13K J 1/16W	TT1H	
R250			RK73GB1J393J	CHIP R 39K J 1/16W	YMM5	

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R250			RK73GB1J472J	CHIP R	4.7K	J	1/16W	X	
R250			RK73GB1J822J	CHIP R	8.2K	J	1/16W	EE1	
R250			RK73GB1J913J	CHIP R	91K	J	1/16W	KPK1P1	
R251			RK73GB1J103J	CHIP R	10K	J	1/16W		
R252,253			RK73GB1J473J	CHIP R	47K	J	1/16W		
R254			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R255			RK73GB1J562J	CHIP R	5.6K	J	1/16W		
R256			RK73GB1J473J	CHIP R	47K	J	1/16W		
R257			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R259			RK73GB1J103J	CHIP R	10K	J	1/16W		
R260			RK73GB1J821J	CHIP R	820	J	1/16W		
R261			RK73GB1J103J	CHIP R	10K	J	1/16W		
R263			RK73GB1J152J	CHIP R	1.5K	J	1/16W		
R265			RK73GB1J152J	CHIP R	1.5K	J	1/16W		
R269			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R270			RK73GB1J473J	CHIP R	47K	J	1/16W		
R271,272			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R273			RK73GB1J105J	CHIP R	1.0M	J	1/16W		
R274			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R275			RK73GB1J1R0J	CHIP R	1	J	1/16W		
R276-280			RK73GB1J473J	CHIP R	47K	J	1/16W		
R281,282			RK73GB1J474J	CHIP R	470K	J	1/16W		
R302			RK73GB1J473J	CHIP R	47K	J	1/16W		
W301,302			R92-0670-05	CHIP R	0 OHM			H	
W301,302			R92-0670-05	CHIP R	0 OHM			TT1EE1	
⚠ K1			S76-0099-05	MAGNETIC RELAY					
⚠ S1	1D		S62-0001-05	SLIDE SWITCH				YMM5	
⚠ D1 -8			HSS104A	DIODE					
⚠ D1 -8			1SS133	DIODE					
D9			MA111	DIODE					
D10			HSS104A	DIODE				KPK1P1	
D10			HSS104A	DIODE				YMM5	
D10			1SS133	DIODE				KPK1P1	
D10			1SS133	DIODE				YMM5	
D11			HSS104A	DIODE					
D11			1SS133	DIODE					
D12 ,13			RB721Q	DIODE					
D17			HSS104A	DIODE					
D17			1SS133	DIODE					
D18			RB721Q	DIODE				TT1EE1	
D18			RB721Q	DIODE				YMXM5H	
D20			MTZJ15(B)	ZENER DIODE					
D20			RD15ES(B2)	ZENER DIODE					
D21			MTZJ5.1(B)	ZENER DIODE					
D21			RD5.1ES(B2)	ZENER DIODE					
D22			S5688B	DIODE					
⚠ D51			D4SBL20UF03	DIODE					1367
⚠ D51		✻	TSS4B03G-B1	DIODE					245
⚠ D52			D2SBA20F03	DIODE					
D53			MTZJ6.2(B)	ZENER DIODE					
D53			RD6.2ES(B2)	ZENER DIODE					
D54			MTZJ6.8(B)	ZENER DIODE					
D54			RD6.8ES(B2)	ZENER DIODE					
D55			MTZJ5.6(B)	ZENER DIODE					

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D55			RD5.6ES(B2)	ZENER DIODE		
D56			MTZJ10(B)	ZENER DIODE		
D56			RD10ES(B2)	ZENER DIODE		
⚠ D57			S5688B	DIODE		
D58 ,59			MTZJ20(B)	ZENER DIODE		
D58 ,59			RD20ES(B)	ZENER DIODE		
D101,102			RB721Q	DIODE		
D103			MA111	DIODE		
⚠ IC1			XC62FP5102P	ANALOGUE IC	KPK1P1	
IC2			S-80840ANY	ANALOGUE IC		
IC4			NJM4565M	ANALOGUE IC		
IC5			BA05T	ANALOGUE IC	TT1EE1	
⚠ IC5			BA05T	ANALOGUE IC	YMXM5H	
IC11		✻	M62498AFP	ANALOGUE IC		
IC12			BU1923F	ANALOGUE IC	H	
IC12			BU1923F	ANALOGUE IC	TT1EE1	
IC101		✻	M30622MA-A62FP	MI-COM IC		
Q1 ,2			DTC143TUA	DIGITAL TRANSISTOR		
Q1 ,2			UN5216	DIGITAL TRANSISTOR		
Q3			2SB1412F5(Q,R)	TRANSISTOR		
Q4			DTC124EUA	DIGITAL TRANSISTOR		
Q4			UN5212	DIGITAL TRANSISTOR		
Q5			KTA1268	TRANSISTOR		
Q5			2SA992(F,E)	TRANSISTOR		
Q6			2SC2003(L,K)	TRANSISTOR		
Q8			KTC3199(Y,GR)	TRANSISTOR		
Q8			2SC2785(F,E)	TRANSISTOR		
Q9			2SC4081	TRANSISTOR		
⚠ Q11			2SB1659✻2	TRANSISTOR		
Q12			KTC3199(Y,GR)	TRANSISTOR		
Q12			2SC2785(F,E)	TRANSISTOR		
Q13 ,14			2SD2012	TRANSISTOR		
Q13 ,14			2SD2061	TRANSISTOR		
⚠ Q15			2SC3940A(R,S)	TRANSISTOR		
Q101			DTA113ZUA	DIGITAL TRANSISTOR		
Q101			UN5119	DIGITAL TRANSISTOR		
Q102,103			KTA1267(Y,GR)	TRANSISTOR		
Q102,103			2SA1175(F,E)	TRANSISTOR		
Q104			DTA113ZUA	DIGITAL TRANSISTOR		
Q104			UN5119	DIGITAL TRANSISTOR		
A1		✻	W02-2743-05	TUNER ASSY	KPK1P1	
A1		✻	W02-2744-05	TUNER ASSY	YMM5	
A1		✻	W02-2745-05	TUNER ASSY	TT1H	
A1		✻	W02-2746-05	TUNER ASSY	X	
A1		✻	W02-2747-05	TUNER ASSY	EE1	
A2			W02-1114-15	OSCILLATING MODULE	TT1EE1	137

DISPLAY UNIT (X14-7110-XX)

D2 ,3	1C		B30-2567-05	LED(RED(80) HI-BR)					
C1 ,2			CK45FB1H102K	CERAMIC	1000PF	K			
C3		✻	CE04PW1A101M	ALUMINUM ELECTROLYTIC C.					
C4		✻	CE04PW1A470M	ALUMINUM ELECTROLYTIC C.					
C5 ,6			CK45FB1H102K	CERAMIC	1000PF	K			
C7			CC45FCH1H330J	CERAMIC	33PF	J			

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C8			CK45FB1H102K	CERAMIC	1000PF	K			
C10			CK45FB1H102K	CERAMIC	1000PF	K			
C11 ,12		✻	CE04PW1H010M	ALUMINUM ELECTROLYTIC C.					
C13 ,14			CK45FF1H103Z	CERAMIC	0.010UF	Z			
C15			CK45FB1H222K	CERAMIC	2200PF	K			
C16			CC45FSL1H331J	CERAMIC	330PF	J			
CN1		✻	E40-8486-05	FLAT CABLE CONNECTOR					
J1	2D		E11-0280-05	PHONE JACK	(1P BLK)				
		✻	J21-6784-04	MOUNTING HARDWARE					
⚠ R52			RD14NB2E1R0J	RD	1	J	1/4W		
S1 -23	1C,1D		S70-0031-05	TACT SWITCH					
S24	1D	✻	T99-0634-05	ROTARY ENCODER					
S25	1C	✻	T99-0635-05	ROTARY ENCODER					
D1			HZS6.2N(B2)	ZENER DIODE					
D1			MTZJ6.2(B)	ZENER DIODE					
ED1	1D	✻	HNA-15MM18T	FLUORESCENT INDICATOR TUBE					
IC1		✻	LC75711NED	MOS-IC					
Q1 -5			KTC3199(Y,GR)	TRANSISTOR					
Q1 -5			2SC2785(F,E)	TRANSISTOR					
A1	1C	✻	W02-2734-05	OPTIC RECEIVING MODULE					
RECORD/PLAYBACK UNIT (X28-304X-XX)									
C1 ,2			CK45FB1H102K	CERAMIC	1000PF	K			
C3 ,4			CK45FB1H821K	CERAMIC	820PF	K			
C5 -8			CE04LW1C100M	ELECTRO	10UF	16WV			
C9 ,10			CE04LW1C220M	ELECTRO	22UF	16WV			
C11 ,12			CQ93FMG1H183J	MYLAR	0.018UF	J			
C13 -16			CC45FSL1H470J	CERAMIC	47PF	J		H	
C13 -16			CC45FSL1H470J	CERAMIC	47PF	J		TT1EE1	
C17 ,18			CE04LW1C100M	ELECTRO	10UF	16WV			
C19 ,20			CE04LW1HR47M	ELECTRO	0.47UF	50WV			
C21 ,22			CE04LW1V4R7M	ELECTRO	4.7UF	35WV			
C23 ,24			CE04LW1C100M	ELECTRO	10UF	16WV			
C25 -28			CC45FSL1H221J	CERAMIC	220PF	J			
C29 ,30			CE04LW1V4R7M	ELECTRO	4.7UF	35WV			
C31 ,32			CC45FSL1H101J	CERAMIC	100PF	J			
C33 ,34			CK45FF1H472Z	CERAMIC	4700PF	Z			
C35 -38			CE04LW1V4R7M	ELECTRO	4.7UF	35WV			
C100		✻	CE04PW1H010M	ALUMINUM ELECTROLYTIC C.					
C101		✻	CE04PW1C100M	ALUMINUM ELECTROLYTIC C.					
C103,104			CQ93FMG1H153J	MYLAR	0.015UF	J			
C105			CQ93FMG1H103J	MYLAR	0.010UF	J			
C106		✻	CE04PW1C100M	ALUMINUM ELECTROLYTIC C.					
C107			CQ93HP2A103J	MYLAR	0.010UF	J			
C108,109			CK45FB1H222K	CERAMIC	2200PF	K		TT1H	
C110		✻	CE04PW1C100M	ALUMINUM ELECTROLYTIC C.					
C111		✻	CE04PW1H010M	ALUMINUM ELECTROLYTIC C.					
C112		✻	CE04PW1C101M	ALUMINUM ELECTROLYTIC C.					
C113		✻	CE04PW1C470M	ALUMINUM ELECTROLYTIC C.					
C114,115		✻	CE04PW1V4R7M	ALUMINUM ELECTROLYTIC C.					
C116		✻	CE04PW1C100M	ALUMINUM ELECTROLYTIC C.					

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C117		✻	CE04PW1C101M	ALUMINUM ELECTROLYTIC C.					
C118		✻	CE04PW1C470M	ALUMINUM ELECTROLYTIC C.					
C119		✻	CE04PW1V4R7M	ALUMINUM ELECTROLYTIC C.					
C120		✻	CE04PW1A101M	ALUMINUM ELECTROLYTIC C.					
C121		✻	CE04PW1H010M	ALUMINUM ELECTROLYTIC C.					
C122		✻	CE04PW1V330M	ALUMINUM ELECTROLYTIC C.					
CN1		✻	E40-8509-05	FLAT CABLE CONNECTOR					
CN2		✻	E40-8502-05	FLAT CABLE CONNECTOR					
E1 -3			J11-0808-05	WIRE CLAMPER					
L1 ,2			L40-1035-20	SMALL FIXED INDUCTOR(10MH,J)					
L3		✻	L32-1022-05	BIAS OSCILLATING COIL					
L4			L40-1001-82	SMALL FIXED INDUCTOR(10UH)					
⚠ R118			RD14NB2E100J	RD	10	J	1/4W		
⚠ R125			RD14NB2E101J	RD	100	J	1/4W		
⚠ R127			RD14NB2E121J	RD	120	J	1/4W		
VR1 ,2		✻	R12-6013-05	TRIMMING POT.(330K)					
VR3 ,4			R12-3103-05	TRIMMING POT.(47K)					
VR5			R12-1073-05	TRIMMING POT.(4.7K)					
D1 -4			HSS104A	DIODE					
D1 -4			1SS133	DIODE					
D5			HZS5.1N(B2)	ZENER DIODE					
D5			MTZJ5.1(B)	ZENER DIODE					
IC1			CXA1498S	ANALOGUE IC					
IC2			BA3126N	ANALOGUE IC					
IC3			NJM4565L	ANALOGUE IC					
⚠ Q1 -3			2SA1286-T11	TRANSISTOR					
Q4 -9			KRC103M	DIGITAL TRANSISTOR					
Q4 -9			UN4212	DIGITAL TRANSISTOR					
⚠ Q10			KTC3205	TRANSISTOR					
⚠ Q10			2SC3940A(R,S)	TRANSISTOR					
Q11 ,12			KTC3199(Y,GR)	TRANSISTOR					
Q11 ,12			2SC2785(F,E)	TRANSISTOR					
Q13 ,14			KTC3200	TRANSISTOR				TT1H	
Q13 ,14			2SC1845(F,E)	TRANSISTOR				TT1H	
Q15			KRA103M	DIGITAL TRANSISTOR				TT1H	
Q15			UN4112	DIGITAL TRANSISTOR				TT1H	
Q16			KRC103M	DIGITAL TRANSISTOR				TT1H	
Q16			UN4212	DIGITAL TRANSISTOR				TT1H	
Q17 ,18			2SC2878(B)	TRANSISTOR					
Q19 ,20			KRC103M	DIGITAL TRANSISTOR					
Q19 ,20			UN4212	DIGITAL TRANSISTOR					
Q21 ,22			DTC143TSA	DIGITAL TRANSISTOR					
Q21 ,22			UN4216	DIGITAL TRANSISTOR					
Q23			KRA103M	DIGITAL TRANSISTOR					
Q23			UN4112	DIGITAL TRANSISTOR					
Q24			KRC103M	DIGITAL TRANSISTOR					
Q24			UN4212	DIGITAL TRANSISTOR					
CD MECHANISM UNIT(X32-380X-XX)									
C1 ,2			CK73GB1C104K	CHIP C	0.10UF	K			
C6			CC73GCH1H221J	CHIP C	220PF	J			
C7			CK73GB1C104K	CHIP C	0.10UF	K			
C8			CC73GCH1H331J	CHIP C	330PF	J			

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C9			CK73GB1H223K	CHIP C	0.022UF	K			
C11			CK73GB1C104K	CHIP C	0.10UF	K			
C12			CK73GB1H223K	CHIP C	0.022UF	K			
C13			CK73GB1E333K	CHIP C	0.033UF	K			
C15			CC73GCH1H561J	CHIP C	560PF	J			
C16			CE04LW1A101M	ELECTRO	100UF	10WV			
C17			CK73GB1H153K	CHIP C	0.015UF	K			
C18			CK73GB1C104K	CHIP C	0.10UF	K			
C19			CE04LW1A101M	ELECTRO	100UF	10WV			
C20			CC73GCH1H331J	CHIP C	330PF	J			
C22			CK73GB1H223K	CHIP C	0.022UF	K			
C23 ,24			CE04KW1H2R2M	ELECTRO	2.2UF	50WV			
C25			CE04LW1A101M	ELECTRO	100UF	10WV			
C26			CE04LW1H4R7M	ELECTRO	4.7UF	50WV			
C27			CK73GB1H222K	CHIP C	2200PF	K			
C28			CQ93FMG1H223J	MYLAR	0.022UF	J			
C29			CK73GB1H562K	CHIP C	5600PF	K			
C30			CK73GB1H222K	CHIP C	2200PF	K			
C31			CE04LW1H2R2M	ELECTRO	2.2UF	50WV			
C32			CQ93FMG1H104J	MYLAR	0.10UF	J			
C33			CK73GB1H102K	CHIP C	1000PF	K			
C34			CK73GB1C104K	CHIP C	0.10UF	K			
C35			CQ93FMG1H223J	MYLAR	0.022UF	J			
C36			CK73GB1H223K	CHIP C	0.022UF	K			
C37			CF92FV1H564J	MF-C	0.56UF	J			
C38			CE04LW1A101M	ELECTRO	100UF	10WV			
C39			CQ93FMG1H122J	MYLAR	1200PF	J			
C40			CE04KW1A221M	ELECTRO	220UF	10WV			
C42			CK73GB1H102K	CHIP C	1000PF	K			
C43 ,44			CC73GCH1H560J	CHIP C	56PF	J		TT1EE1	1237
C45			CE04LW1E470M	ELECTRO	47UF	25WV			
C46			CE04LW1HR33M	ELECTRO	0.33UF	50WV			
C49 ,50			CC73GCH1H221J	CHIP C	220PF	J			
C51 ,52			CK73GB1C104K	CHIP C	0.10UF	K			
C53			CE04LW1E221M	ELECTRO	220UF	25WV			
C54			CE04LW1A101M	ELECTRO	100UF	10WV			
C55			CK73GB1H102K	CHIP C	1000PF	K			
CN1		✻	E40-8621-05	FLAT CABLE CONNECTOR					
CN2			E40-3264-05	PIN ASSY					
CN3		✻	E40-8508-05	FLAT CABLE CONNECTOR				KK1PP1	
CN3		✻	E40-8508-05	FLAT CABLE CONNECTOR				TEE1	5
CN3		✻	E40-8508-05	FLAT CABLE CONNECTOR				YMXM5	
CN4 ,5		✻	E40-8531-05	FLAT CABLE CONNECTOR					
CN6			E40-3262-05	PIN ASSY					
CN7		✻	E40-8510-05	FLAT CABLE CONNECTOR				TT1EE1	1237
L1			L40-1001-31	SMALL FIXED INDUCTOR(10UH,K)					
X1			L77-2190-05	CRYSTAL RESONATOR(16.9344MHZ)				TT1EE1	1237
X1			L78-0299-05	RESONATOR	(16.93M)			KK1PP1	
X1			L78-0299-05	RESONATOR	(16.93M)			TEE1	5
X1			L78-0299-05	RESONATOR	(16.93M)			YMXM5	
R2 -5			RK73GB1J683J	CHIP R	68K	J	1/16W		
R6			RK73GB1J910J	CHIP R	91	J	1/16W		
R7 -9			RK73GB1J683J	CHIP R	68K	J	1/16W		

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⑱

Ref. No	Address	New Parts	Parts No.	Description				Destination	Remarks
R10			RK73GB1J104J	CHIP R	100K	J	1/16W		
R11 ,12			RK73GB1J334J	CHIP R	330K	J	1/16W		
R13			RK73GB1J563J	CHIP R	56K	J	1/16W		
R16			RK73GB1J333J	CHIP R	33K	J	1/16W		
R17			RK73GB1J473J	CHIP R	47K	J	1/16W		
R18			RK73GB1J331J	CHIP R	330	J	1/16W		
R19			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R20			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R21			RK73GB1J163J	CHIP R	16K	J	1/16W		
R22			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R23			RK73GB1J273J	CHIP R	27K	J	1/16W		
R24			RK73GB1J752J	CHIP R	7.5K	J	1/16W		
R25			RK73GB1J333J	CHIP R	33K	J	1/16W		
R26			RK73GB1J103J	CHIP R	10K	J	1/16W		
R27			RK73GB1J104J	CHIP R	100K	J	1/16W		
R29			RK73GB1J100J	CHIP R	10	J	1/16W		
R30			RK73GB1J473J	CHIP R	47K	J	1/16W		
R31 ,32			RK73GB1J101J	CHIP R	100	J	1/16W		
R33			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R34			RK73GB1J473J	CHIP R	47K	J	1/16W		
R35			RK73GB1J123J	CHIP R	12K	J	1/16W		
R37			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R38			RK73GB1J333J	CHIP R	33K	J	1/16W		
R39			RK73GB1J105J	CHIP R	1.0M	J	1/16W		
R40			RK73GB1J221J	CHIP R	220	J	1/16W		
R41			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R43			RK73GB1J333J	CHIP R	33K	J	1/16W		
R44			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R46			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R48			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R49			RK73GB1J220J	CHIP R	22	J	1/16W		
R50			RK73GB1J101J	CHIP R	100	J	1/16W	TT1EE1	1237
R51			RK73GB1J121J	CHIP R	120	J	1/16W		
R52			RK73GB1J105J	CHIP R	1.0M	J	1/16W		
R54			RK73GB1J184J	CHIP R	180K	J	1/16W		
R59			RK73GB1J272J	CHIP R	2.7K	J	1/16W		
R100-102			RK73GB1J101J	CHIP R	100	J	1/16W		
R103,104			RK73GB1J333J	CHIP R	33K	J	1/16W		
R105,106			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
W101,102			R92-0670-05	CHIP R	0 OHM				
S1 ,2			S64-0028-05	LEVER SWITCH					
D1 ,2		✻	SIR-34ST3F(KL)	INFRARED LED					
D3			HSS104A	DIODE					
D3			1SS133	DIODE					
IC1			AN8806SB	ANALOGUE IC					
IC2		✻	MN35520	MOS-IC					
IC2			MN662748RPMFA	MOS-IC					
IC3			BA5936S	ANALOGUE IC					
PH1 ,2		✻	RPT-37PB3F(MN)	PHOTO TRANSISTOR					
Q1			2SA954(L,K)	TRANSISTOR					
Q2		✻	KTA1046	TRANSISTOR					
Q2			2SB1370	TRANSISTOR					
Q2			2SB1375	TRANSISTOR					

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Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
CD MECHANISM (D40-1668-08)						
3	2A,3A		D14-0361-08	ROLLER(TRAY)		
4	1A	✻	D13-1969-08	GEAR(PULLEY)		
5	1A	✻	D13-1970-08	GEAR(IDLER)		
6	1A	✻	D13-1971-08	GEAR(LOAD)		
8	2A	✻	D10-3927-08	ARM(SW)		
9	1A	✻	J99-0818-08	YRAY(ROTARY)		
12	1B	✻	D13-1973-08	GEAR(HLICAL)		
13	2A	✻	J11-0854-08	CLAMPER		
15	3B	✻	J19-6046-08	HOLDER(TU)		
17	2A	✻	A10-3501-08	CHASSIS		
18	1B	✻	J99-0817-08	TRAY(SLIDE)		
19	1A	✻	D16-0742-08	BELT(LOADING)		
20	3B		J02-1174-08	INSULATOR 37 DARK GREEN		
21	3B		J02-1175-08	INSULATOR 25 LIGHT GREEN		
22	2B	✻	D16-0743-08	BELT(ROTARY)		
23	2B	✻	G09-0677-08	WIRE SPRING		
24	1A,3B		N09-3359-08	TAP TITE SCREW(2.6X6)		
25	1A	✻	N09-8014-08	SCREW		
27	3B	✻	D40-1663-05	TRAVERSE UNIT(KCTB5H)		
29	3B	✻	E35-2474-08	WIRE HARNESS(3P)		
30	3A,3B	✻	E35-2472-08	WIRE HARNESS(6P)		
31	3A,2B	✻	E35-2476-08	FFC(7P)		
32	3A,3B	✻	E35-2475-08	FFC(16P)		
33	2A	✻	T99-0640-08	MAGNET		
35	2A	✻	D10-3947-08	ARM ASSY		
36	2B	✻	D13-1998-08	GEAR ASSY		
37	3A	✻	T42-0977-08	MOTOR ASSY(L)		
38	2B	✻	T42-0978-08	MOTOR ASSY(R)		
39	2A	✻	G11-2748-08	CUSHION		
40	2B	✻	D13-2000-08	GEAR(FINAL)		
41	2B	✻	S74-0090-08	LEAF SWITCH		
42	3A	✻	G11-2732-04	CUSHION		
CASSETTE MECHANISM (D41-1661-05)						
401	2D	✻	D16-0748-08	MAIN BELT		
402	2D	✻	D16-0749-08	F/R BELT		

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HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	CNT ABB.	Australia X	Canada P	China C	England T	Europe E	Germany G	Korea H	Malaysia I
RXD-503	1	-	P	-	-	E	-	-	-
RXD-503E		-	-	-	-	E1	-	-	-
RXD-303	2	-	-	-	-	E	-	-	-
RXD-303E		-	-	-	-	E1	-	-	-
RXD-653	3	X	-	-	T	E	-	-	-
RXD-653E		-	-	-	-	E1	-	-	-
RXD-A33	4	-	P	-	-	-	-	-	-
RXD-353	5	X	-	-	T	E	-	H	-
RXD-353E		-	-	-	-	E1	-	-	-
RXD-A53	6	-	P	-	-	-	-	-	-
RXD-A53-GR		-	P1	-	-	-	-	-	-
RXD-553	7	X	-	-	T	E	-	-	-
RXD-553E		-	-	-	-	E1	-	-	-
RXD-553-GR		-	-	-	T1	E	-	-	-
RXD-553E-GR		-	-	-	-	E1	-	-	-

MODEL	CNT ABB.	Mexico R	PX/AAFES Y	Russia Q	Scandinavia L	Shanghai V	USA K	Other area M	
RXD-503	1	-	-	-	-	-	K	-	-
RXD-503E		-	-	-	-	-	-	-	-
RXD-303	2	-	-	-	-	-	K	-	-
RXD-303E		-	-	-	-	-	-	-	-
RXD-653	3	-	-	-	-	-	-	-	-
RXD-653E		-	-	-	-	-	-	-	-
RXD-A33	4	-	-	-	-	-	K	-	-
RXD-353	5	-	Y	-	-	-	-	M,M5	-
RXD-353E		-	-	-	-	-	-	-	-
RXD-A53	6	-	-	-	-	-	K	-	-
RXD-A53-GR		-	-	-	-	-	K1	-	-
RXD-553	7	-	Y	-	-	-	-	M,M5	-
RXD-553E		-	-	-	-	-	-	-	-
RXD-553-GR		-	-	-	-	-	-	-	-
RXD-553E-GR		-	-	-	-	-	-	-	-

SPECIFICATIONS

Main unit (XD-5/6/7...Series)

[Amplifier section]

Rated power output
(For U.S.A. and Canada)

100 watts per channel minimum RMS, both channels driven, at 6 Ω form 70 Hz to 20 kHz with no more than 0.9 % total harmonic distortion. (FTC)

(U.K. and Europe)
1 kHz, 0.7 % T.H.D., 6 Ω ..... (DIN) 70 W + 70 W
(Other countries)
1 kHz, 1 % T.H.D., 6 Ω ..... (RMS) 80 W + 80 W
Effective output power during STEREO operation
(For U.S.A. and Canada)
1 kHz, 10 % T.H.D., 6 Ω ..... (RMS) 130 W + 130 W
(Other countries)
1 kHz, 10 % T.H.D., 6 Ω ..... (RMS) 100 W + 100 W
Signal to noise ratio
DVD/VIDEO INPUT ..... 90 dB (IHF' 66)
Input sensitivity / inpedance
(For U.S.A. and Canada)
DVD/VIDEO INPUT ..... 300 mV / 47 kΩ
(Other countries)
DVD/VIDEO INPUT ..... 350 mV / 47 kΩ

[Tuner section]

FM tuner section
Tuning frequency range ..... 87.5 MHz ~ 108 MHz

MW (AM) Tuner section
Tuning frequency range
(For U.S.A. and Canada) ..... 530 kHz ~ 1,700 kHz
(For U.K. and, Europe) ..... 531 kHz ~ 1,602 kHz
(Other countries)
9 kHz step ..... 531 kHz ~ 1,602 kHz
10 kHz step ..... 530 kHz ~ 1,610 kHz

LW Tuner section (For U.K.)
Tuning frequency range ..... 153 kHz ~ 279 kHz

[Cassette deck section]

Track ..... 4-track, 2-channel stereo
Recording system ..... AC bias system
(Frequency: 105 kHz)
Heads
A deckPlayback head 1
B deckPlayback / recording head 1
Erasing head 1
Fast winding time ..... Approx. 115 seconds
(C-60 tape)

[CD player section]

Laser wave lengh ..... 770 to 795 nm
Laser power class ..... Class 3A
Wow & Flutter ..... Less than unmeasurable Limit
(For Europe and U.K.)
Digital output (Optical) ..... - 15 dBm ~ - 21 dBm
(Wave length 660 nm)

[General]

Power consumption
(For U.S.A. and Canada) ..... 2.5 A
(Other countries) ..... 190 W
Dimensions ..... W : 270 mm (11")
H : 330 mm (13")
D : 390 mm (15-3/8")
Weight (net) ..... 8.3 kg (18.3 lb)

RXD-303/353/503/553/653/A33/A53

SPECIFICATIONS

Main unit (XD-3...Series)

[Amplifier section]

Rated power output
(For U.S.A. and Canada)

70 watts per channel minimum RMS, both channels driven, at 6 Ω form 70 Hz to 20 kHz with no more than 0.9 % total harmonic distortion. (FTC)

(U.K. and Europe)
1 kHz, 0.7 % T.H.D., 6 Ω ..... (DIN) 50 W + 50 W
(Other countries)
1 kHz, 1 % T.H.D., 6 Ω ..... (RMS) 50 W + 50 W
Effective output power during STEREO operation
(For U.S.A. and Canada)
1 kHz, 10 % T.H.D., 6 Ω ..... (RMS) 100 W + 100 W
(Other countries)
1 kHz, 10 % T.H.D., 6 Ω ..... (RMS) 70 W + 70 W
Signal to noise ratio
DVD/VIDEO INPUT ..... 90 dB (IHF' 66)
Input sensitivity / inpedance
(For U.S.A. and Canada)
DVD/VIDEO INPUT ..... 350 mV / 47 kΩ
(Other countries)
DVD/VIDEO INPUT ..... 300 mV / 47 kΩ

[Tuner section]

FM tuner section
Tuning frequency range ..... 87.5 MHz ~ 108 MHz

MW (AM) Tuner section
Tuning frequency range
(For U.S.A. and Canada) ..... 530 kHz ~ 1,700 kHz
(For U.K. and, Europe) ..... 531 kHz ~ 1,602 kHz
(Other countries)
9 kHz step ..... 531 kHz ~ 1,602 kHz
10 kHz step ..... 530 kHz ~ 1,610 kHz

LW Tuner section (For U.K.)
Tuning frequency range ..... 153 kHz ~ 279 kHz

[Cassette deck section]

Track ..... 4-track, 2-channel stereo
Recording system ..... AC bias system
(Frequency: 105 kHz)
Heads
A deckPlayback head 1
B deckPlayback / recording head 1
Erasing head 1
Fast winding time ..... Approx. 115 seconds
(C-60 tape)

[CD player section]

Laser wave lengh ..... 770 to 795 nm
Laser power class ..... Class 3A
Wow & Flutter ..... Less than unmeasurable Limit

[General]

Power consumption
(For U.S.A. and Canada) ..... 2 A
(Other countries) ..... 160 W
Dimensions ..... W : 270 mm (11")
H : 330 mm (13")
D : 390 mm (15-3/8")
Weight (net) ..... 8.3 kg (18.3 lb)

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Sufficient performance may not be possible at very low temperatures (0°C or less).

Note:
Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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